

Product Catalog 2019

PROFLEX®

When sound control matters®

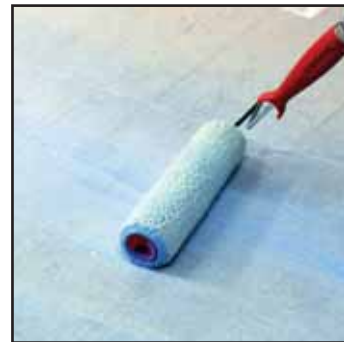


Surface Preparation



PROFLEX® offers a variety of products designed to get your substrate ready to install finished flooring surfaces. From simple patch filling to deep pour self-leveling applications, PROFLEX® Surface Preparation Products are easy to use, set quickly, and meet leading industry standards for surface preparation. Contact your PROFLEX® representative for additional details.

- Flooring Patch (pg. 3)
- Self-Leveling Underlayments (pg. 3)
- Moisture Mitigation (pg. 4)
- Crack Isolation Membranes (pg. 5)
- Primers (pg. 6)
- Waterproofing Membranes (pg. 7, 8)
- Niche (pg. 9)



Flooring Patch & Self-Leveling Underlayments



Feather-Flex

Single Step Coating to Smooth and Level Substrates

A high performance, one component product for leveling and smoothing concrete, ceramic and quarry tile, terrazzo, wood, and cut-back adhesives prior to the installation of finished flooring like VCT, continuous vinyl flooring, or other standard flooring products. Mixes easily with water to produce a skim coat that is easy to apply from a feather-edge up to 1/2". Does not require priming, and cures for flooring installation in as little as 30 minutes, depending on thickness and drying conditions.

Packaging: 10 lb. bag, 200 bags per pallet

Coverage: Over Concrete: 100 - 150 sq. ft.
Over Plywood: 200 - 250 sq. ft.



PSP

Multi-Purpose Cementitious Patching Compound

PSP is a polymer modified product that is capable of being used as a skim coat or patch by simply adjusting the liquid to powder mix ratio. PSP is an "All Purpose" material for the installer who requires product consolidation without giving up quality and performance. Also is designed to give maximum pot life, and regains workability by simply remixing without additional water.

Packaging: 35 lb. pail, 36 pails per pallet

Coverage: As a skimcoat, 375 - 475 sq. ft. / 35 lb. pail
At 1/8" thickness, 30 - 40 sq. ft. / 35 lb. pail



IFR

Industrial Strength Flooring Repair Compound

A portland cement-based, polymer-modified, fiber-reinforced, rapid-setting, one component, structural repair and leveling mortar. Suitable for interior and exterior restoration of deteriorated concrete elements and slabs. It may be placed into forms or used in horizontal applications. May be used as an exposed industrial wear surface or as an underlayment for resilient, carpet, laminate, ceramic tile, and wood flooring.

Packaging: 40 lb. pail, 36 pails per pallet

Coverage: Varies based on thickness of application.
Refer to PDS at proflex.us for specific coverages.

Use PROFLEX®
Latex Additive
as a primer.



SLU

Self-Leveling Compound up to 1/2" Per Single Pour

A cement based self-leveling underlayment providing a smooth and flat concrete surface. Installs quickly and can be delivered via pump or pouring methods. Mixes with water and is a rapid setting formulation. Foot traffic ready in as little as 12 hours. No troweling or grinding. Self-healing during flowing and working time. Reduced weight with superior strength. For applications up to 1/2".

Packaging: 50 lb. bag, 56 bags per pallet

Coverage: 50 lb. bag, 55 sq. ft. at 1/8" thickness (Note: Coverages will vary based on substrate.)
Primer 1 Gallon: 1 Gallon Primer, 200 - 300 sq. ft.



DPU

Self-Leveling Compound up to 1 1/2" Per Single Pour

A self leveling compound of Calcium-Aluminate cement, sand, and proprietary chemicals used to smooth and finish rough interior concrete or wood floors where a fast set is desired within hours. May be applied up to 1 1/2" in a single application. Mixes with water, initial set 3-5 hours, self-healing during flowing and working time, light weight and superior strength.

Packaging: 50 lb. bag, 56 bags per pallet
Primer 1 Gallon

Coverage:

Pour Depth:	1/4"	1/2"	1"	1 1/2"
Yields (sq. ft.):	24	12	6	4

Coverage will vary based on pour thickness, values are per 50 lb. bag.
For primer, coverage will vary based on the substrate.



Surface Preparation

Moisture Mitigation



MB-25

Premium Moisture Barrier up to 25lbs or 100% RH

PROFLEX® MB25 is a two component, epoxy reaction resin based sealer for professional flooring installation over damp sub floors. MB25 will mitigate moisture pressure from a humid sub floor to an acceptable level for any flooring installation. It will bridge minor cracks in the subfloor. MB-25 spreads easily and creates a dust free surface ready for safe installation of flooring.

Advantages

- Moisture Barrier up to 25 lbs or 100% RH
- Use under any flooring (wood, VCT, LVT, sheet vinyl, ceramic, etc.)
- Contains no water, solvents or VOCs
- Helps contribute to LEED Credits
- Same day installations - 6 hour cure time

Suitable for use with

Multi-Ply Engineered Plank, Solid Planks, Bamboo, Plywood, LVT/LVP, Sheet Vinyl, Carpet Tile, Cork & Rubber Flooring, Tile, PROFLEX® Peel and Stick Membranes

Packaging and Coverage

Available in One (1) Box. Two (2) components per Box.

Component A: 1 US Gallon

Component B: .79 US Gallon

- 3/8" Nap Roller, Squeegee, or 1/6" x 1/16" x 1/16" notched trowel

Maximum recommended coverage is 300 - 350 sq. ft. per mixed unit



MS-225

Moisture Barrier up to 15lbs or 95% RH

PROFLEX® MS-225 Moisture Sealer is a unique one-part, multi-functional moisture barrier that dries to a clear film that is alkali and water-resistant. It is designed for use on interior porous concrete substrates as a penetrating and film-forming hydrophobic (water repelling) barrier to protect flooring installations against moisture vapor transmission rates of up to 15 lbs. Per 1000 sq. ft. per 24 hours and in-situ Relative Humidity (RH) moisture readings up to 95%. The multi-functionality of the product results from the barrier coating ability to prime porous concrete and eliminate dust, and to neutralize surface alkalinity by forming a barrier coating that provides an acceptable pH level and block migration of alkaline salts through the slab.

Uses

- May be used as a primer for PROFLEX® elastomeric membranes in place of PR-series Primers where slabs exceed 5#/1000sq.ft.-24hours vapor transmission
- Moisture control for PROFLEX® PS-100, PS-75, PS-76, PS-77, PS-88, DB-60, and RCU Adhesive when substrate exceeds product moisture limitations
- When installing hardwood floors over MS-225 you must use either PWA-400 or PWA-700

Advantages

- Reduces Moisture Vapor transmission up to 15 lbs or 95% RH
- Seals dusty substrates, reduces porosity of Gypsum concrete
- Ideal for fast track projects where concrete slabs are not fully cured

Coverages & Packaging

4 Gallon (15.48L) container, 48 containers /pallet, 225 sq. ft. /per gallon

- For surfaces requiring up to 10lbs/1000sq.ft. or 93% RH - 1 coat
- For surfaces requiring up to 15lbs/1000sq.ft. or 95% RH - 2 coats

Note: Coverages are based on use of a 3/8" Nap Roller.

Coverages will vary depending on porosity of substrate and application type. Please refer to PDS at www.proflex.us for more information.

Crack Isolation Membranes



CISM

Peel & Stick 40 mil. Crack Isolation Membrane

PROFLEX® CISM 40 is a 40 mil composite underlayment consisting of a rubberized membrane laminated to a high strength reinforcing fabric on the face and a siliconized release sheet on the adhesive side. PROFLEX® CISM is designed for full coverage crack suppression. PROFLEX® CISM 40 is specially designed to be used under approved thinsets, mortars, and adhesives for interior and exterior applications of ceramic tile, stone, and brick, and for interior applications of wood flooring to eliminate the transmission of cracks. To eliminate cracks in finished floor work, the product should be applied to the entire substrate prior to the installation of the finished flooring for crack suppression.

- 40 mil. thickness (0.040 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft (24hr CaCl test)

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 195 sq. ft. per Roll

* CISM requires an ANSI A118.11 thinset.



SIM-40

Peel & Stick 40 mil. Crack Isolation Membrane

PROFLEX® SIM 40 is a 40 mil composite underlayment consisting of a rubberized membrane laminated to a high strength reinforcing fabric on the face and a siliconized release sheet on the adhesive side. Proflex SIM 40 is designed for full coverage crack suppression. PROFLEX® SIM 40 is specially designed to be used under approved thinsets, mortars, and adhesives for interior and exterior applications of ceramic tile, stone, and brick, and for interior applications of wood flooring to eliminate the transmission of cracks through finish flooring. To eliminate cracks in finished floor work, the product should be applied to the entire substrate prior to the installation of the finished flooring for crack suppression.

- 40 mil. thickness (0.040 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft (24hr CaCl test)

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 225 sq. ft. per Roll

* SIM-40 requires an ANSI A118.11 thinset.



AF-300

Liquid Applied Crack Isolation Membrane

PROFLEX® AF300 (Anti-Fracture 300) is a ready-to-use single component mold resistant crack-isolation membrane. AF300 provides a uniform surface with excellent elongation to prevent in-plane cracks up to 3/8" from the substrate to the finished ceramic, porcelain, or stone tile. For residential to heavy commercial application; interior and exterior use.

- Cold Applied with Brush Roller or Trowel
- Crack Isolation up 3/8"
- Mold and Mildew Resistance
- Ultra White Formula

Coverages & Packaging

3 ½ Gallon Pail, 48 pails per pallet, 300 sq. ft

Surface Preparation

Primers



SP1

Single Step Coating to Smooth and Level Substrates

PROFLEX® SP1 Multipurpose Sealer / Primer is a pure acrylic based, solvent free product with multiple uses. SP1 may be used as a bonding agent with other Proflex surface preparation products, modified mortars, adhesive, and membranes when adhering to difficult substrates such as gypsum based concrete, epoxy coatings, VCT, non-cushioned sheet vinyl, glazed tile, terrazzo, glass, and metal. SP1 can also be used to prime metal and resin backed tile to allow for modified mortar installation. *SP1 can also be used to encapsulates old adhesive residue, (including cut-back asphalt adhesive)

Packaging: 1 gallon pail, 180 pails per pallet

Coverage: Sealer: PROFLEX® Rake Trowel (7/64 x 5/64"): up to 80 sq. ft. /gal
Primer: Foam or 3/8" Short Nap Roller: up to 410 sq. ft. /gal



GP1

Interior Gypsum Based Primer

PROFLEX® GP1® is specially formulated primer for use with PROFLEX® elastomeric membranes over Gypcrete® substrates. GP1 is suitable for interior and exterior conditions. Depending on application type and substrate porosity, the primer will dry to use in 20 - 45 minutes.

Packaging: 1 Gallon Pail, 180 per pallet

Coverage: 400 sq. ft. /gal.



PR11

Interior & Exterior Primer

PROFLEX® PR11 primer is a necessary companion product to be used with the PROFLEX® series of elastomeric membranes. PR11 primer is designed to condition and prepare a substrate for the application of PROFLEX® membranes.

Packaging: 1 Gallon Pail, 180 per pallet

5 Gallon Pail, 36 per pallet

Coverage: 400 sq. ft. /gal.



PR27

Solvent Based Exterior Primer

PROFLEX® PR-Series of primers are necessary companion products to be used with the PROFLEX® series of elastomeric membranes. PR27 is a solvent based product designed specifically for exterior applications where conditions of higher relative humidity (RH) exists.

Packaging: 1 Gallon Pail, 180 per pallet

Coverage: 400 sq. ft. /gal.

Coverage values for GP1, PR11, and PR27 are approximate using a 3/8" Nap Roller.



DPU Primer

Deep Pour Underlayment Substrate Primer

DPU Primer is a necessary companion product to PROFLEX® DPU. All surfaces must be primed with PROFLEX® DPU Primer prior to installing PROFLEX® DPU. The primer must be dry to the touch before applying PROFLEX® DPU. Allow the primer to dry for a minimum of 3 hours and a maximum of 48 hours. The primer dilution or modification will depend on the nature of the substrate.

Packaging: 1 Gallon Container, 4 per carton, 45 cartons per pallet

Coverage: Approximately 300 - 400 sq. ft. /gal.

Please refer to the DPU Product Data Sheet at proflex.us for specific dilution ratios and coverages.



SLU Primer

Self-Leveling Underlayment Substrate Primer

SLU Primer is a necessary companion product to PROFLEX® SLU. All surfaces must be primed with PROFLEX® SLU Primer prior to installing PROFLEX® SLU. The primer must be dry to the touch before applying PROFLEX® SLU. Allow the primer to dry for a minimum of 3 hours and a maximum of 48 hours. The primer dilution or modification will depend on the nature of the substrate.

Packaging: 1 Gallon Container, 4 per carton, 45 cartons per pallet

Coverage: Approximately 200 - 300 sq. ft. /gal.

Please refer to the SLU Product Data Sheet at proflex.us for specific dilution ratios and coverages.

Waterproofing Membranes



Hydra-Seal Waterproofing and Crack-Isolation Membrane

Hydra-Seal is a thin, load bearing, membrane that provides a monolithic transition for crack-isolation up to 1/4". Hydra-Seal, in a two coat application, also provides waterproofing. The material is installed in a semi-fluid state and can be applied to most shapes or irregular form such as base flashings, walls, etc. Hydra-Seal provides premium protection in areas where excessive moisture vapor and water intrusion can damage a finished flooring surface and /or substrate. Hydra-Seal is ideal for bathrooms, showers, tubs, whirlpools, saunas, steam rooms, and for exterior applications in pool and fountain areas. Meets ANSI A118.10 and ASTM 836-89 requirements. Hydra-Seal offers both intermittent and continuous resistance from moisture vapor and hydrostatic pressure up to 7lb. /1000sqft -24hr CaCl test.

Advantages

- Cold Applied
- 1/4" Crack Isolation
- Offers both intermittent and continuous resistance from moisture vapor and hydrostatic pressure up to 7lbs/1000sq.ft.-24hr CaCl test

Packaging (sold separately)

PROFLEX® Hydra-Seal
5 Gallon Pail, 36 per pallet
1 Gallon Pail, 180 per pallet
1 Roll mesh fabric for horizontal to vertical transitions, 6" x 50'

Coverage

For waterproofing applications - 2 coat application
50 sq. ft. per gallon

For crack-isolation applications - 80 sq. ft. per gallon

Coverage is an approximate value, actual rates may vary based on porosity of substrates.

Hydra-Seal is also available in a white formula. Ideal when installing glass tile, translucent materials, light colored stone, or other surfaces. Available in 1 gallon containers.



Hydra-Seal mesh fabric is used for horizontal and vertical transitions.



Hydra-Lock Waterproofing Membrane

Hydra-Lock is a thin, load bearing membrane composed of a modified elastomeric copolymer. With excellent elongation properties and high strength, Hydra-Lock provides a 100% waterproof membrane coating while limiting the transfer of substrate cracks to the finished overlay. Hydra-Lock is for use in commercial buildings, residential housing and other areas requiring positive waterproofing like pools, fountains, spas, hot tubs, kitchens, counter tops, balconies, tub surrounds, shower stalls and pans, under terrazzo, quarry, ceramic and stone tile. This membrane can be installed over any sound substrate, vertically or horizontally, interior and exterior.

Advantages

- Interior & Exterior
- Crack isolation up to 1/8"
- Adheres to all common surfaces
- Installs quickly, cures in 2-4 hrs.
- Antimicrobial

Coverages & Packaging

5 Gallon Pail (18.9261L), 36 pails per pallet
Approximately 250 sq. ft.



HMA Hydra-Mat Adhesive

PROFLEX® Hydra-Mat Adhesive (HMA) is a one component, 100% solids, cross-linking modified silane polymer-based adhesive formulated for the installation of all types of resilient flooring. This solvent free, water free, and isocyanate free, non-flammable, easy troweling high strength product is an excellent replacement for epoxy and urethane adhesives, and provides excellent installations for vinyl, rubber, fiberglass and polyolefin backed flooring, approved recycled resilient flooring, tile-over-tile applications, and plank & sheet goods over both porous and non-porous surfaces.

- Waterproof and ready for heavy traffic use in hours, not days
- Contributes to sound reduction, thermal insulation and crack isolation
- Health/Environmentally conscious formula
- Replaces Urethane & 2 Part Epoxy products
- Moisture protection for most common installations

Coverages & Packaging

2 Gallon Unit
Approximately 250 sq. ft.

Surface Preparation

Waterproofing Membranes



HYDRA MAT® can be used as a complete waterproofing system. Refer to PDS at proflex.us for more information.

HYDRA MAT®

3-Ply Waterproofing Membrane

PROFLEX® HYDRA MAT® is a 3-ply waterproofing membrane designed to waterproof interior sub-floors and walls under thin-set tile applications. It can be installed directly over any cleaned and prepared surface including concrete, plywood, gypsum, cement board, or OSB board. The unique product construction sandwiches a polyethylene membrane between two polypropylene nonwovens to create an impermeable, waterproofing system that stops water from damaging the structure.

Advantages

- 100% waterproof guarantee
- Mold and mildew resistant
- Can be applied directly over clean sub-floor
- Easy and quick installation

Packaging

98.40 SF/RL



Hydra Mat is formed in a variety of shapes for easy installation. Available in Inside & Outside corners.

Uncoupling Membrane



Advantages

- Uncoupling waterproofing mat
- Reduces sound transmission
- Install with non-modified, modified mortar or PROFLEX® HMA (Hydra Mat Adhesive)
- When used in a complete PROFLEX® system, eligible for a 25 year warranty.

UCM

Uncoupling Membrane

PROFLEX® UCM is designed specifically for ceramic tile and dimension stone installations serving as an uncoupling layer and vapor management layer that accommodates moisture from beneath the tile covering. UCM can be used as a shower pan, exterior drainage mat and waterproofing mat. An added bonus to UCM is it's sound deadening characteristics not normally found in uncoupling waterproofing mats.

Description:	Decoupling Mat with dimpled structure.
Application:	Waterproofing and decoupling membrane to be applied under tiles and stones. For indoor and outdoor use.
Colour:	Blue
Total thickness (approx):	1/8" (0.125 inches)
Material weight (approx):	51 lbs.
Resistance to temperature: min. / max.	- 30°C / + 90°C
Length per roll:	3' 3" x 33' (108 sq. ft.)

Physical Properties: (approx.)	DIN	Value
Pressure Test - Compression	Internal	30.5%
Bonding strength	DIN EN 1348	0,2 N / mm²*
* in dependence of the used adhesive		

Certified according to DIN EN ISO 9001: 2015














Preformed Niche, Benches, Seats and Curbs

PROFLEX® Preformed Niche, Benches, Seats and Curbs are a 100% waterproof ready to install lightweight high-density expanded polystyrene with a liquid waterproof membrane finish.

Advantages

- Easy to install and ready to tile in minutes
- One piece construction means no leaks
- Mold, mildew and moisture resistant
- Will not leak, rot or corrode
- Lightweight

PreFormed Models and Dimensions

				
FSON601 Niche 12" x 12" Square	N607 Niche 12" x 12" & 6" Wide Combo	N608 Niche 8" x 12" & 6" Narrow Combo	FSON606 Niche 12" x 20" Mega	N609 Niche 8" x 8" Soap
				
FSOB301 Seat 16" x 16" x 20" Triangle	FSOB302 Seat 23" x 23" x 20" Triangle	FSOB303 Seat 16" x 16" x 20" Convex		
				
FSOB305 Bench 11.5 x 11.5 x 20"	FSOB318 Bench 12" x 12" x 18" Triangle	FSOB306 Bench 11.5 x 35" x 20"	FSOB304 Bench 23" x 23" x 23" Large Convex	
FSOC405 Curb 4" x 4" x 48"				

Sound Control



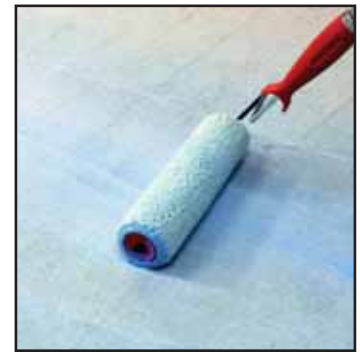
PROFLEX® Products provides innovative products engineered for crack suppression, sound reduction, moisture control and waterproofing applications that are commonly found in today's building and remodeling industries.

PROFLEX® Elastomeric self-bonding membranes are composite underlayments consisting of petroleum and rubber based materials laminated to a high-strength reinforcing facer fabric. The products have excellent strength and elongation properties designed to be used in a variety of building and remodeling applications.

- Tile and Wood (Peel & Stick) (pg. 12, 13)
- Resilient (pg. 13)
- Carpet (pg. 14)
- Tile and Wood (Glue Down) (pg. 15)
- Companion Products (pg. 15)



Prep.



Prime



Peel



Stick



Understanding Sound Control

There are two general classifications of sound or noise: Ambient Noise, or Airborne Sound includes conversation, television, radio, dog barking, etc. This type of sound is measured by its Sound Transmission Class (STC).

Impact Sound is the resulting vibration or noise created when objects collide with the flooring surface, such as heels when walking or running on the floor, dropping items on the floor, a bouncing ball, dragging a chair across the floor, etc. This type of sound is measured by its Impact Insulation Class (IIC).

5 Key Factors of Floor Sound Performance:

The sound performance of a floor/ceiling assembly in a building is the result of 5 key components of the structure. These construction components will dictate the underlayment product and associated materials specified.

1. Sub-Floor Construction – This could be concrete slab at various thicknesses (for example, 6 inches or 8 inches thick), wood joist and wood truss systems, or a combination structure of concrete, metal & wood.
2. Finished Flooring – Ranges from hard surface flooring like ceramic tile, stone, marble and natural wood, to soft surface flooring like carpet and luxury vinyl tile.
3. Ceiling Type – Concrete Slab construction could have no ceiling included, a ceiling system attached directly to the bottom of the slab, or a suspended ceiling. Suspended ceilings are generally either gypsum board with plaster or “architectural” ceiling board held in place with a metal grid system. Wood joist and truss systems would include a ceiling unless it is “open” beam construction.
4. Air Plenum – Is the space created by the ceiling attached to the sub-floor structure. The depth of the air plenum and its use, such as to include insulation material, recessed lighting, electrical wiring, HVAC duct work, etc. determines its value in reducing sound.
5. Isolating the Room – This is a critical construction component often overlooked. Perimeter Isolation Barrier (PIB) material and sound absorbing caulking should be used to prevent sound “flanking” around the floor assembly. Also, adhesives are better than using nails or screws which will transmit sound through the floor assembly

So as the architect, contractor, owner/user of the room, each step in the process of creating the specific condominium, office, home impacts the sound reducing and insulating performance of the total floor assembly. How is the building designed? How did the contractor build/install the components? What finished flooring was selected by the designer/decorator/end user?

ASTM International (ASTM)

ASTM International was organized in 1898, and is one of the largest voluntary standards development systems in the world. ASTM stands for American Society for Testing and Materials. ASTM International is a not-for-profit organization which provides a forum for producers, users, ultimate consumers, and those having a general interest (representatives of government and academia) to meet on common ground and write standards for materials, products, systems and services. ASTM has developed the standards for sound testing of floor systems.

ASTM Tests for Floor Assembly Sound Performance

Sound testing can be done in an approved laboratory or in the field (on site). Laboratory testing is the most un-bias measurement of flooring systems and products. The laboratory test results provide an excellent way to evaluate, compare and select materials. Field tests provide sound measurement of specific rooms or floor assemblies, but are unique to the test location and not suitable for comparing products and materials.

STC – Sound Transmission Class (ASTM E 90)

IIC – Impact Insulation Class (ASTM E 492)

Δ IIC – Delta Impact Insulation Class (ASTM E 2179)

FSTC – Field Sound Transmission Class (ASTM E 336)

FIIC – Field Impact Insulation Class (ASTM E 1007)

Note: ASTM test procedures are periodically updated and the last update is listed after the test number, for example ASTM E 90-04 where the 04 means this test procedure's latest update or change was in 2004.

Working With ASTM Test Numbers

The STC, FSTC, IIC, Δ IIC, and FIIC test results are expressed as a single dB (decibel) value. The value is the result of calculations across a full range of sound frequencies starting at 63 hertz up to 5,000 hertz. Higher dB values indicate better sound reduction. Since these are logarithmic calculations, increases from 40dB to 45dB are easier to achieve than increases from 50dB to 55dB, or 60dB to 65dB.

The Sound Transmission Class (STC) value of a floor assembly is primarily a function of mass. For example, an eight inch concrete slab will be better than a six inch concrete slab for reducing sound transmission.

The Impact sound transmitted by a floor is a function of how well it absorbs sound vibration caused by an impact. This is measured as the Impact Insulation Class or IIC. Carpeting is the best impact absorber, wood less, and ceramic tile or marble the least absorbing. Think about dropping an object on the finished floor like a wine glass.

The Delta IIC measures the Impact Class improvement for a specific “total” floor assembly. This test is only performed on a six inch concrete slab without a ceiling assembly. The result for the tested floor assembly (underlayment materials and the finished floor surface) is compared with the “bare” six inch concrete slab IIC value. In order to understand the IIC improvement, you need to know the finished flooring surface as well as the sound underlayment and adhesives used in the floor assembly tested. Most important, Delta IIC values are NOT additive. For example, if the underlayment material claims a Δ IIC of 15dB and a thin set or adhesive manufacturer claims a Δ IIC of 10dB, having both in the same floor assembly will not result in an IIC improvement of 25dB. Make sure you know how the product was testing, including the finished flooring and other floor assembly components.

Field testing is an excellent way to establish the Sound Transmission Class (FSTC) or Impact Insulation Class (FIIC) of a specific floor assembly and building. The result is specific to the tested room and should not be used to grade or measure a particular component (underlayment, adhesive, thin set, etc.). Laboratory sound testing is conducted in a controlled environment and field testing is not. As a result, field test results can be misleading. The specific construction, temperature, humidity, or room content can influence the result. For example, was a perimeter isolation barrier material used to isolate the room? Was the air conditioning on or off? Was anything in the room like drapes or furniture, etc.

Ranking Finished Flooring Surfaces

In general, Hard Surface flooring, those with greater mass density (weight) provide better sound transmission values (STC), that is, they are better at reducing ambient sound between rooms. And Soft Surface flooring materials provide better impact sound reduction or IIC values.

Hard Surface Flooring

- Natural Stone and Marble
- Ceramic, Quarry & Porcelain Tiles
- Hardwood

Intermediate Range

- Laminates with foam backing
- Floating Floors

Soft Flooring

- Vinyl with foam backing
- Luxury Vinyl Tile & Planks
- Carpet

Sound Control

Tile and Wood Sound Control

Peel & Stick



SSC 70 70 mil. Crack Isolation and Sound Membrane

- 70 mil. thickness (0.070 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft (24hr CaCl test)
- Limited Waterproofing Applications

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 195 sq. ft. per Roll

* SSC 70 requires an ANSI A118.11 thinset.

Sound Ratings

(ASTM E90-02, E989-89, E492-90)

- STC (Sound Transmission Class) 62*
- IIC (Impact Insulation Class) 54*

*Sound testing performed as to ASTM E90 and E492, test conducted on 8" concrete slab with acoustic ceiling.



MSC 90 90 mil. Crack Isolation and Sound Membrane

- 90 mil. thickness (0.090 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft. (24hr CaCl test)
- Limited Waterproofing Applications

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 100 sq. ft. per Roll

* MSC 90 requires an ANSI A118.11 thinset.

Sound Ratings

(ASTM E90-02, E989-89, E492-90)

- STC (Sound Transmission Class) 72*
- IIC (Impact Insulation Class) 68*

*Sound testing performed as to ASTM E90 and E492, test conducted on 8" concrete slab with acoustic ceiling.



SIM 90 90 mil. Crack Isolation and Sound Membrane

- 90 mil. thickness (0.090 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft (24hr CaCl test)
- Limited Waterproofing Applications

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 100 sq. ft. per Roll

* SIM 90 requires an ANSI A118.11 thinset.

Sound Ratings

(ASTM E90-02, E989-89, E492-90)

- STC (Sound Transmission Class) 66*
- IIC (Impact Insulation Class) 71*

*Sound testing performed as to ASTM E90 and E492, test conducted on 8" concrete slab with acoustic ceiling.



SS 90 Premium 90 mil. Crack Isolation and Sound Membrane

- 90 mil. thickness (0.090 of 1")
- Crack Isolation to 3/8"
- Moisture Vapor Barrier 5lb./1000sq.ft (24hr CaCl test)
- Limited Waterproofing Applications

Packaging: 1 Roll per Box, 20 Boxes per Pallet

Coverage: 100 sq. ft. per Roll

* SS 90 requires an ANSI A118.11 thinset.

Sound Ratings

(ASTM E90-02, E989-89, E492-90)

- STC (Sound Transmission Class) 52*
- IIC (Impact Insulation Class) 50*

*Sound testing performed as to ASTM E90 and E492, test conducted on 6" concrete slab with no acoustic ceiling.

Resilient Flooring Underlayment



LV-100

PROFLEX® LV-100 is a technologically advanced 1mm underlayment and acoustical barrier for successful installations of resilient flooring. PROFLEX® LV-100 offers superior sound deadening characteristics and is eligible for PROFLEX® lifetime warranty when utilized in conjunction with approved PROFLEX® adhesives in 'double-stick' applications.

Packaging

LV-100, 200 sq. ft. /roll

LVT/LVP Underlayment

Approved for use under

- Luxury Vinyl Tile / Plank
- Carpet Tile
- WPC (Wood Plastic Composite)
- Cork Tile
- Commercial Sheet Vinyl

Approved Adhesives for installing LV-100 over subfloor and resilient floors over LV-100 underlayment

- PROFLEX® PS-75
- PROFLEX® PS-76
- PROFLEX® PS-77

Technical Data

Physical Properties	Method	Performance
Acoustical	ASTM E492-4 & E989-89 ASTM E90-04 & E413-04 ASTM E2179-03	71 IIC 67 STC Delta 21
Thickness	ASTM D3575	0.8mm
Density	Internal	7.8 lbs
Compressive Strength	JIS K6767	37.2 psi
Tensile Strength	JIS K6767	467 md 278 td (psi)
Thermal Stability	JIS K6767	120°C (248°F) x 60 min

Resilient Flooring Underlayment



LV-200

PROFLEX® LV-200 is an advanced composite sound control underlayment utilizing a combination of 100% recycled products to achieve superior IIC (Impact Insulation Class) and STC (Sound Transmission Class) sound reduction ratings for use under LVT (Luxury Vinyl Tile) and LVP (Luxury Vinyl Plank), and Laminate. The product is also easy to install using a direct bond or floating method.

Packaging

LV-200, 22 lbs., (1) roll, 1.8mm (0.071in) x 3' x 66'.66" = 200 sq. ft. /roll. 24 rolls per pallet

1.8mm Rubber LVT/LVP Underlayment

Approved for use under

Laminate
LVT/LVP

Approved Substrates

Completely cured concrete
Interior plywood
Cement backer units
OSB (not for use directly over OSB when installing vinyl flooring)

Sustainability and LEED

Content	100% Virgin Latex Rubber
Recyclability	100% Post Consumer
Certification	Green Label Plus
LEED Credit EQ 4.3	Low-Emitting Materials
LEED Credit MRc5. 1,5.2	Regional Content 20-30%
LEED Credit IEQp3	Minimal Acoustical performance

Sound Ratings

† Laminated Wood	IIC 54, STC 50, Delta 23
‡ Laminated Wood	IIC 67, STC 63
‡ Luxury Vinyl Tiles and Planks:	IIC 73, STC 63

† Test conducted on 6 inch slab no drop ceiling

‡ Tests conducted on 6 inch slab with drop ceiling

Sound Control

Carpet Sound Control



PROFLEX® dB series sound deadening is the ultimate choice in sound control carpet cushion. PROFLEX® dB series can be used in businesses and homes. By selecting our premium sound control underlayment, you are selecting a product that is elegant, durable, 100% recyclable, and contributes to LEED. PROFLEX® dB series is HUD/FHA approved and CRI Green Label Certified for low VOC's.

Advantages

- Produced with 45% recycled content
- Excellent for double-glue installations
- Contributes to LEED® green building credits for recycled content, regional materials and low emitting materials
- CRI Green Label certified for low VOC's
- Antimicrobial protection is resistant to mold, mildew and other household allergens
- Superior backing for strength, durability and quality installation
- High performance backing contains materials from responsible reforestation program
- Excellent choice for radiant heated floors
- Contains baking soda for added deodorizing protection
- Can be installed on above or below grade.

CRI Green Label Certified for Low VOC's



Suitable Surfaces

- Concrete (Poured, Prestressed, Precast)
- Cured (Mortar Beds, Self Leveling Compounds, Gypcrete)
- Concrete Backerboards
- Wood (Exterior Grade Plywood, Hardwood, Tongue and Groove, OSB)

Product Specifications

dB200

Density (lb/cft)	22.0
Ounce Weight/SY	68
Thickness (in.)	0.20
Sq Yd/Roll	20
Commercial Traffic	Class III Extra Heavy
R-Value	.64
Product Type	Rubber

Packaging

20 sq. /yard per roll, 25 rolls per pallet

dB250

Density (lb/cft)	22.0
Ounce Weight/SY	68
Thickness (in.)	0.25
Sq Yd/Roll	20
Commercial Traffic	Class III Extra Heavy
R-Value	.64
Product Type	Rubber

Packaging

20 sq. /yard per roll, 25 rolls per pallet

dB280

Density (lb/cft)	26.0
Ounce Weight/SY	80
Thickness (in.)	0.25
Sq Yd/Roll	20
Commercial Traffic	Class III Extra Heavy
R-Value	.68
Product Type	Rubber

Packaging

15 sq. /yard per roll, 25 rolls per pallet

Glue Down

PROFLEX® RCU products are advanced composite sound control underlayments that utilize a combination of natural and engineered products to achieve superior IIC (Impact Insulation Class) and STC (Sound Transmission Class) sound reduction ratings. The products are easy to install using a direct bond method and are compatible with a variety of substrates and adhesives. Using RCU products will assist a builder in qualifying for LEED® points.



RCU-200

- 1/5" Thickness (0.20")
 - Sound Control & Crack Suppression up to 1/8"
 - Ready for tiling immediately after installation
- Packaging: 1 roll (4' x 30'), 16 rolls per pallet

Coverage: 120 sq. ft. per roll

3/16" Rubber Cork Underlayment

Sound Ratings

(ASTM E90-04, E413-04, E492-04, E989-06)

- STC (Sound Transmission Class) 57*
- IIC (Impact Insulation Class) 51*

*Sound testing performed as to ASTM E90 and E492, test conducted on 8" concrete slab with no acoustic ceiling, direct bond to quarry tile.



RCU-250

- 1/4" Thickness (0.25")
 - Sound Control & Crack Suppression up to 1/8"
 - Ready for tiling immediately after installation
- Packaging: 1 roll (4' x 30'), 16 rolls per pallet

Coverage: 120 sq. ft. per roll

1/4" Rubber Cork Underlayment

Sound Ratings

(ASTM E90-04, E413-04, E492-04, E989-06)

- STC (Sound Transmission Class) 56*
- IIC (Impact Insulation Class) 54*

*Sound testing performed as to ASTM E90 and E492, test conducted on 8" concrete slab with no acoustic ceiling, direct bond to quarry tile.



RCU-500

- 1/2" Thickness (0.50")
 - Sound Control & Crack Suppression up to 1/8"
 - Ready for tiling immediately after installation
- Packaging: 1 roll, 16 rolls per pallet

Coverage: 60 sq. ft. per Roll

1/2" Rubber Cork Underlayment

Sound Ratings

(ASTM E90-04, E413-04, E492-04, E989-06)

- STC (Sound Transmission Class) 53*
- IIC (Impact Insulation Class) 50*

*Sound testing performed as to ASTM E90 and E492, test conducted on 6" concrete slab with no acoustic ceiling, direct bond to quarry tile.

Companion Products for Sound Control



RST

Rubber Seaming Tape

PROFLEX® RST (Rubber Seam Tape) is a 28 mil tape for seaming PROFLEX® underlayment membranes. PROFLEX® RST consists of a rubberized membrane laminated to a high-strength, reinforcing Mylar film on the face and a siliconized release sheet on the adhesive side. When used with PROFLEX® membranes, PROFLEX® RST will form a seamless, monolithic, sheet over the substrate.

Packaging

4" x 100' rolls, 6 rolls per carton, 30 cartons per pallet



PIB

Perimeter Isolation Barrier for Elastomeric Membranes

PROFLEX® PIB (Perimeter Isolation Barrier) is a low density polyethylene foam product. The product serves as a means to assist the installer in maintaining a 1/4" perimeter isolation space along the perimeter of a flooring installation where a change of plane occurs. (Floor to Wall).

Packaging

1/4" x 4" x 125' rolls. 6 rolls per carton, 12 cartons per pallet

Tile Setting



PROFLEX® Products manufactures state-of-the-art thinsets and mortars. Our PRO-STICK products come in a variety of formulas to meet your specific application. PRO-STICK products are designed to work with PROFLEX® membranes for a complete flooring system.

Extended system warranties are available, visit us on the web at proflex.us for more information. For job specific warranties or further questions on warranties, contact Technical Support at 877-577-6353 to speak with a PROFLEX® representative.

- Non-Modified Mortars (pg. 17)
- Thick Bed Mortars (pg. 17)
- Polymer Modified Mortars (pgs. 18 - 22)
- Mortar Additive (pg. 23)
- Mastic (pg. 23)
- Grouts and Caulks (pg. 24, 25)
- Epoxy Mortar Grout (pg. 25)



Non-Modified Mortar



PS22

ANSI A118.1 Unsanded Thin-Set

PROFLEX® PRO-STICK 22 is a unsanded thinset mortar used to set non-absorptive (vitreous or semi-vitreous) tiles for interior or exterior use. When mixed with water it provides a suitable bond coat to adhere tile to plaster, concrete, and masonry surfaces. For added performance, PROFLEX® Liquid Latex Additive may be mixed with dry set mortar. With the addition of Liquid Latex Additive, PRO-STICK 22 may be applied over exterior grade plywood and PROFLEX® membranes.

- Ready to use formula
- Extended working time
- ANSI A118.1 and A108.5 specifications

Uses

PRO-STICK 22 is designed for set absorptive and non-absorptive (vitreous, semi-vitreous, and nonvitreous) tile for interior or exterior use. For setting non-absorptive floor tile, absorptive wall tile, it is recommended to use PROFLEX PRO-STICK 42 sanded thin-set mortar. For added performance, PROFLEX Latex Mortar Additive can be mixed with PRO STICK 22 dry set mortar.

Packaging: 20 lb. bag, 96 bags per pallet

Coverage:

1/4" x 1/4" Square Notch trowel, 40 sq. ft.

Maximum recommended trowel size 1/4" x 3/8"

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	200 - 225	350 - 375
Mosaic Tile	200 - 225	300 - 325
Glazed Wall Tile	300 - 325	400 - 425
Compressive Strength	3500 - 4000	5000 - 5500
Adjustability	15 - 20 minutes	
Open Time	75 - 90 minutes	
Final Set	8 - 12 hours	

Thick Bed Mortar



MSI

ANSI A108.1A, ANSI A108.1B Thick Bed Mortar

PROFLEX® MSI is a reinforced portland cement based thick-bed mortar that is specially formulated to control shrinkage. MSI is designed to be used in conjunction with PROFLEX® elastomeric crack-isolation membranes, PROFLEX® polymer modified thinset mortars meeting ANSI A118.11. These components work together to ensure a superior bond of tile and stone finish surfaces unmatched by other manufacturers. This system is designed to assist installers that are installing larger tile and stone as well as ungauged stone, slate, marble, and granite (not water sensitive stones). Designed installation from 1/2" up to 4" over PROFLEX® membranes. The system can be applied to floors, countertops, and sloped shower floors.

- Meets and exceeds A108.1A, A108.1B
- High strength bond for large format tile and stone installations
- Consistent performance; single component

Uses

PROFLEX® MSI is a system of products to be used for installing large format tile and stone. It is specially formulated to control shrinkage of a thick bed mortar. This system is designed to assist installers that are installing larger tile and stone as well as ungauged stone, slate, marble, and granite (not water sensitive stones). Designed to go up to 4" over the Proflex membranes. The system can be applied to floors, countertops, and shower floors.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage: Small Format Tiles: 1/4" x 1/4" x 1/4" Square Notch, 65 sq. ft.

Large Format Tiles: 1/4" x 3/8" x 1/4" Square Notch, 50 sq. ft.

Requirements

1. Concrete Substrates to be structurally sound, dry and free from grease, oil, dirt, dust, and other foreign matter such as curing agents and other "bond breaking" material.
2. Use a minimum 5/8" premium grade plywood over subfloor; All wooden flooring underlayments to be placed over 16" on center joists with a total thickness of 1 1/4" of the wooden substrate.

Working Time	30 - 40 minutes	
Initial Set	3 - 7 hours	
Final Set	14 hours	
Compressive Strength	4015 psi, 7 days	7950 psi, after 30 days

Working and setting times will vary based on temperature and humidity.

Tile Setting

Polymer Modified Mortars



PS27

Economy ANSI A118.4 Multi-Purpose Thinset

PROFLEX® PRO-STICK 27 is an economical thin set mortar that has good performance and workability characteristics along with an extended open time. When mixed, it produces a creamy, easy to spread mortar specially developed for the professional tile setter. For commercial and residential use.

- Economical alternative with good performance and workability
- Extended open and working time
- ANSI A108.5, ANSI A118.1, ANSI A118.4 compliant.

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile,

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	100 - 150	225 - 250
Mosaic Tile	200 - 225	250 - 375
Glazed Wall Tile	150 - 200	250 - 300
Compressive Strength	1500 - 2000	3500 - 4000
Adjustability	20 minutes	
Open Time	50 - 70 minutes	
Final Set	6 - 8 hours	



PS32

ANSI A118.4 Multi-Purpose Thinset

PROFLEX® PRO-STICK 32 thin set mortar has superior performance and workability characteristics not found in regular thin set mortars, along with an extended open time. When mixed, it produces a creamy, easy to spread mortar specially developed for the professional tile setter. For commercial and residential use.

- ANSI A108.5, ANSI A118.1, ANSI A118.4 compliant
- Extended open and working time
- High strength for a variety of applications

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile,

For installation over: Tile backer board, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	100 - 150	225 - 250
Mosaic Tile	200 - 225	250 - 275
Glazed Wall Tile	150 - 200	300 - 350
Compressive Strength	1500 - 2000	3500 - 4000
Adjustability	20 minutes	
Open Time	50 - 70 minutes	
Final Set	6 - 8 hours	

Polymer Modified Mortars



PS37

Economy ANSI A118.11 Multi-Purpose Thinset

PROFLEX® PRO-STICK 37 is an economical thin set mortar that has good performance and workability characteristics along with an extended open time. When mixed, it produces a creamy, easy to spread mortar specially developed for the professional tile setter. For commercial and residential use.

- ANSI A118.4, ANSI A118.11 compliant
- Extended open and working time
- High strength for a variety of applications

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, High bottom lugged tile, Marble, Granite, Mosaic, large format tiles, Vertical tile installations up to 4 lbs per sq. ft

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	100 - 150	225 - 250
Mosaic Tile	200 - 225	250 - 275
Glazed Wall Tile	150 - 200	300 - 350
Compressive Strength	1500 - 2000	3500 - 4000
Adjustability	20 minutes	
Open Time	50 - 70 minutes	
Final Set	6 - 8 hours	



PS42

ANSI A118.11 Multi-Purpose Thinset

PROFLEX® PRO-STICK 42 thin set mortar has superior performance and workability characteristics not found in regular thin set mortars, along with an extended open time. When mixed, it produces a creamy, easy to spread mortar specially developed for the professional tile setter. For commercial and residential use.

- ANSI A118.11 compliant
- Extended open and working time
- High strength for a variety of applications

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, High bottom lugged tile, Marble, Granite, Mosaic, large format tiles, Vertical tile installations up to 5 lbs per sq.ft

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250 - 300	450 - 500
Mosaic Tile	250 - 300	300 - 350
Glazed Wall Tile	250 - 300	400 -450
Quarry Tile to Plywood	175 - 200	200 - 250
Compressive Strength	1500 - 2000	3500 - 4000
Adjustability	15 - 20 minutes	
Open Time	50 - 70 minutes	
Final Set	6 - 8 hours	

Tile Setting

Polymer Modified Mortars



PS42L

ANSI A118.11 Light Weight Large Format Tile Thinset

PROFLEX® PS 42L is a polymer modified dry set mortar composed of lightweight aggregates, sand, cement, dry resins and other proprietary chemicals used to adhere virtually all types of tile, especially large tile units, marble, and granite to acceptable surfaces. Due to its light-weight and flexible properties, PS 42L installations provide higher resistance to cracking than normal mortars. PS 42L is especially formulated to hold large units in place on vertical surfaces. PS 42L also reduces unevenness caused by setting of the tile when used on horizontal surfaces.

- Lightweight formula
- ANSI A118.4, ANSI 118.11, ANSI A118.15 compliant
- Large format tile up to 7 lbs. per sq. ft. installations

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, High bottom lugged tile, Marble, Granite, Mosaic, large format tiles, Vertical tile installations up to 7 lbs. per sq. ft.

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 30 lb. bag, 64 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250 - 300	500 - 525
Mosaic Tile	250 - 300	400 - 450
Glazed Wall Tile	350 - 400	450 - 500
Quarry Tile to Plywood	175 - 200	200 - 250
Compressive Strength	4000 - 4500	6000 - 6500
Adjustability	15 minutes	
Open Time	60 minutes	
Final Set	6 - 8 hours	



PS42R

ANSI A118.11 Multi-Purpose Thinset

PROFLEX® PRO-STICK 42R (ANSI 118.11) is a rapid set thin set mortar is formulated to be a fast setting mortar with superior performance and workability characteristics. PRO-STICK 42R When mixed, has an initial setting time of 1 hour. Specially developed for the professional tile installer. For commercial and residential use.

- ANSI A118.4 and ANSI A118.11 compliant
- 1 hour initial set, 2-4 hours foot traffic
- High strength for a variety of bonding applications

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, High bottom lugged tile, Marble, Granite, Mosaic, large format tiles, Vertical tile installations up to 5 lbs per sq. ft

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only,) Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 25 lb. bag, 96 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel 20-25 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel 35-40 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	300 - 350	450 - 500
Mosaic Tile	300 - 350	350 - 400
Glazed Wall Tile	400 - 450	450 - 500
Quarry Tile to Plywood	175 - 200	200 - 250
Compressive Strength	4000 - 4500	6000 - 6500
Adjustability	15 - 20 minutes	
Open Time	30 minutes	
Initial Set	60 minutes	
Final Set	90 minutes	

Polymer Modified Mortars



PS50

ANSI A118.11 Premium Medium Bed Mortar

PROFLEX® PROFLEX PRO-STICK 50 is a (ANSI 118.11) latex modified, medium bed mortar composed of sand, cement, and resins used to adhere a variety of tile surfaces, natural stone, marble, and granite, to approved substrates. Specially formulated to hold large format tiles and stone surfaces in place on vertical surfaces, and reduces unevenness caused by setting tile on horizontal surfaces. PRO-STICK 50 is applied in thickness from 3/16 to 3/4 inches to adhere marble, granite, and tile, to plaster, drywall, concrete, and masonry surfaces. Designed to set tiles vertically of up to 5 lbs. per sq. ft. (Larger sized units must be field tested to determine suitability).

- Non Slag formula supports heavy tiles and ungauged natural stone surfaces
- For interior and exterior applications
- Builds up to 3/4" with minimal shrinkage
- ANSI A118.4 and A118.11 compliant

Uses

For installation of: Ceramic tile, Pavers, Quarry tile, Porcelain tile, Clay bodied tile, High bottom lugged tile, Marble, Granite, Mosaic, large format tiles, Vertical tile installations up to 5 lbs per sq. ft.

For installation over: Tile backerboard, Plumb and true masonry, Properly cured and finished concrete, Gypsum plaster, gypsum block or gypsum board (dry areas – walls only), Cured portland cement mortar, exterior grade plywood, plastic laminates, masonry surfaces.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

3/4" x 9/16" x 3/8" U Notch trowel 34 - 38 sq. ft.

1/2" x 1/2" x 1/2" Square Notch trowel 40 - 50 sq. ft.

1/4" x 3/8" x 1/4" Square Notch trowel 70 - 80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250 - 300	550 - 600
Mosaic Tile	250 - 300	350 - 400
Glazed Wall Tile	400 - 450	450 - 500
Compressive Strength	4000 - 4500	6000 - 6500
Adjustability	15 minutes	
Open Time	60 minutes	
Final Set	6 - 8 hours	



SUPER STICK

ANSI A118.11 Premium Thin-Set Mortar

PROFLEX® SUPER STICK is a polymer modified dry set Mortar composed of sand, cement, dry resins and other proprietary chemicals used to adhere virtually all types of tile, especially large tile units, marble, and granite to acceptable surfaces. Super Stick is ideal for use over all PROFLEX® membranes to assure maximum performance. Super Stick is especially formulated to hold large units in place on vertical surfaces, and also reduces unevenness caused by setting of the tile when used on horizontal surfaces.

- ANSI A118.4, A118.11, and A118.15 compliant
- May be used in and around pools and fountains or "submersible" conditions (contact technical support)
- Extended open and working time
- High strength for a variety of applications
- Ready to mix without the need for additives

Uses

Applied in thickness from 1/8 to 1/2 inches to adhere marble, granite, ceramic mosaic, quarry, porcelain and glass tile to plaster, drywall, concrete, backerboard, exterior grade plywood, plastic laminates, masonry surfaces, and most metal surfaces. May be used to set tiles vertically of up to 5 lbs. per sq. ft.

Recommended for exterior use subjected to freeze thaw conditions. Also for use in and around pools, fountains, or other submersible conditions.

Packaging: 50 lb. bag, 56 bags per pallet

Coverage:

1/2" x 1/2" x 1/2" square notch trowel, 40-50 sq. ft.

1/4" x 3/8" x 1/4" square notch trowel, 70-80 sq. ft.

Shear Strength	7 days (psi)	28 days (psi)
Quarry Tile	250 - 300	500 - 525
Mosaic Tile	250 - 300	400 - 450
Glazed Wall Tile	350 - 400	450 - 500
Quarry Tile to Plywood	175 - 200	200 - 250
Compressive Strength	4000 - 4500	6000 - 6500
Adjustability	15 minutes	
Open Time	60 minutes	
Final Set	6 - 8 hours	

New Thinsets

Polymer Modified Mortars



PROFLEX® XLT

ANSI A118.11 Extra Large Format Tile Mortar

PROFLEX® PRO-STICK 42 XLT is a one step polymer modified portland cement setting adhesive for installing extra large format porcelain, ceramic tile and natural stone on both walls and floors. PRO-STICK 42 XLT with its unique properties can be used as a thin or medium bed setting adhesive for installing large format, ceramic, porcelain and irregular thickness stone without the need of back buttering the tile.

- One step application
- High performance adhesion for porcelain tile
- Suitable for interior and exterior applications
- Use as either a thin or medium bed
- Exceeds ANSI A118.11 EGP for Latex Portland Cement Mortar

Uses

PRO-STICK 42 XLT is ideal for use in installations of extra large oversize ceramic tile and natural stone for both walls and floors in both interior and exterior applications. It is recommended for use for absorptive, semi vitreous, vitreous tile and impervious ceramic tile such as porcelain tile and natural stone over properly prepared masonry, concrete, cement backer board, membranes and existing ceramic tile. For interior dry areas, it is suitable for properly prepared gypsum board and exterior grade plywood substrates. PRO-STICK 42 XLT is suitable for both residential and commercial construction. It is recommended for use in the thin set installation method for vitreous tiles like porcelain over low or non-absorptive subfloors, and membranes.

Packaging: 50 lb. bag (22.7 kg.), 56 bags per pallet

Coverage:

1/4" x 1/4" Square, 65 - 75 sq. ft.
Ceramics

1/2" x 1/2" Square, 55 - 65 sq. ft.
Quarry Tile, Rough Stone

1/4" x 3/8" Square, 35 - 45 sq. ft.
Large Tile, Marble, Stone

Properties		
ANSI 118.4	ANSI Requirements	PS 42 XLT Results
Glazed Wall Tile, 48 hour shear	> 100 psi	> 260 psi
Impervious Mosaic, 28 day shear	> 200 psi	> 480 psi
LEED v3 NC VOC	EQ Credit 4.1	PS 42 XLT Results
VOC	< 65 g/l	0 g/l



PROFLEX® XLP

ANSI A118.11 Extra Large Porcelain, Ceramic, Ultra-Thin Stone Floor Tile Mortar

PROFLEX® PRO-STICK 42 XLP is a unique polymer modified portland cement setting mortar for installing extra large porcelain, ceramic, ultra-thin stone floor tile. PROFLEX® PRO-STICK 42 XLP with its exceptional fluid properties is the ideal adhesive for installing standard to ultra-thin, extra large tile and stone over a variety of substrates including tile over tile applications.

- Freeze thaw stable
- Exceptional fluid properties for maximum coverage
- Suitable for interior and exterior applications
- Bonds to most surfaces
- Superior adhesion for Extra Large Floor Tile

Uses

PRO-STICK 42 XLP easily provides maximum coverage of ultra-thin, extra large ceramic tile and stone on interior and exterior floor applications. It is recommended for absorptive, semi vitreous, vitreous tile and impervious ceramic tile such as porcelain tile and natural stone over properly prepared masonry, concrete, cement backer board, membranes and existing ceramic tile. PRO-STICK XLP is suitable for interior and exterior installations for both residential and commercial construction. It is recommended for use in the thin set installation method for vitreous tiles like porcelain over non-absorptive subfloors, and membranes.

Packaging: 50 lb. bag (22.7 kg.), 56 bags per pallet

Coverage:

1/4" x 1/4" Square, 65 - 75 sq. ft.
Ceramics

1/2" x 1/2" Square, 55 - 65 sq. ft.
Quarry Tile, Rough Stone

1/4" x 3/8" Square, 35 - 45 sq. ft.
Large Tile, Marble, Stone

Properties		
ANSI 118.4	ANSI Requirements	PS 42 XLP Results
Glazed Wall Tile, 48 hour shear	> 100 psi	> 260 psi
Impervious Mosaic, 28 day shear	> 200 psi	> 480 psi
LEED v3 NC VOC	EQ Credit 4.1	PS 42 XLP Results
VOC	< 65 g/l	0 g/l

Tile Setting

Mortar Additive



Liquid Latex

Latex Additive

PROFLEX® Liquid Latex Additive is a latex based product designed to improve the properties of non-modified thin-sets, mortar beds, and grouts. The latex additive improves workability, increases bond strength, improves flexibility, adhesion, impact strength and freeze thaw resistance.

- Improved adhesion to both old and new surfaces
- Helps reduce dusting, cracking and spalling of tile grout joints
- Improved resilience for thermal movement
- Improved chemical resistance of grout joints
- Improved resistance to water infiltration

Uses

PROFLEX® Liquid Latex Additive can be used with thinset, Portland cement mortar mixes for patching concrete, underlayments for resilient flooring, thick bed mortars, leveling beds for ceramic tile and terrazzo and other thin applications where bonding is difficult. May also be used as a bonding agent for PROFLEX® Patching compounds and to treat dusting slabs for improved adhesion.

Packaging

1 gallon container, 4 gallons per carton, 45 cartons per pallet
5 gallon pail, 36 containers per pallet

Coverage

Apply product undiluted directly to surface using brush, roller, or sprayer. Coverage varies depending on porosity. 250-800 sq. ft.

Mastic



PS35

Ready to Use Type 1 Mastic

PROFLEX® PRO-STICK 35 Mastic is a ready to use tile adhesive produced from high-viscosity, synthetic polymers. Product meets ANSI A136.1 for a Type-1 Mastic.

- Premixed ready to apply
- Dries overnight
- Ideal for countertops, backsplashes, tub and shower surrounds
- Meets ANSI A136.1 requirements for a Type 1 Mastic

Uses

PRO-STICK 35 can be used for setting ceramic floor and wall tiles for residential and light-commercial applications. It is also ideal for countertops, backsplashes, tub and shower surrounds over precast shower bases where requirements do not exceed those of ANSI A136.1 PRO-STICK 35 can be used for interior applications for ceramic tile to walls maximum 8"x8" (20cm x20cm) and ceiling tiles up to 6"x 6" (15cm x 15cm). Floor and counter-top tiles not to exceed 6" x 6" (15cm x 15cm).

Packaging & Coverages

3.5 US Gallon pail, 48 pails per pallet

Coverage per Container 1/8" x 1/8" x 1/8" square notch 122 – 158 sq. ft.

Coverage per Container 3/16" x 3/16" x 3/16" V notch 140 – 210 sq. ft.

Technical Data

Open Time 40 - 45 min.

Drying Time 24 - 48 hours

Color Off White

Coverage per Container 1/4" x 1/4" x 1/4" square notch 87 – 130 sq. ft.

Grouts & Caulks

Introducing Super Grout and Super Caulk

Cementitious Grout

PROFLEX® offers grouts in both Sanded and Unsanded formulas. PROFLEX® tile grouts are composed of cement, special fillers, dry polymers, proprietary chemicals, and high quality pigments. PROFLEX® Sanded Grout is used to fill tile joint widths greater than 1/8", Unsanded for less than 1/8". Latex polymers are incorporated into PROFLEX® Sanded and Unsanded Grout to improve color uniformity and intensity, toughness, and freeze-thaw durability. PROFLEX® Sanded and Unsanded Grouts should not be used in areas subjected to strong acids.

- Variety of popular colors
- For interior and exterior applications
- Up to 1/2" joints with Sanded Grout
- ANSI A118.6

Suitable Surfaces

Ceramic, Porcelain, Natural Stone, Glass Tile

Packaging

25 lb. bag Sanded Grout
10 lb. box Unsanded Grout
10 oz tube Matching Caulk

Unsanded



Standards: Conforms to ANSI A118.6 and ANSI A108.1

Packaging: 10 lb. boxes - all colors

ANSI 118.6	ANSI Requirements	Unsanded Results
Flexural Strength	350 psi	> 1100 psi
Tensile Strength 28 days	350 psi	> 390 psi
Compressive Strength 28 days	3500 psi	> 3500 psi
LEED v3 NC VOC	EQ Credit 4.1	Unsanded Results
VOC	<65 g/l	0

Sanded



Standards: Conforms to ANSI A118.6 and ANSI A108.1

Packaging: 25 lb. bag - all colors

ANSI 118.6	ANSI Requirements	Sanded Results
Flexural Strength	400 psi	> 1100 psi
Tensile Strength 28 days	350 psi	> 500 psi
Compressive Strength 28 days	3500 psi	> 5000 psi

Super Grout



PROFLEX® Super Grout is a premium performance grout, fast setting, polymer-modified, color consistent and efflorescence free specifically formulated for grouting all types of ceramic and dimensional stone tiles when grout joint widths are 1/16" and up to 1/2" wide and eliminating the need for different grout products. Super Grout is suitable for both walls and floors in residential and commercial projects. Only the addition of water is required. Exceeds ANSI A-118.6 for Latex Modified Portland Cement Grout.

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Fast Setting • Consistent Color • Residential and Commercial Grade • 1/16" to 1/2" Joint Widths | <ul style="list-style-type: none"> • Efflorescence Free • Interior Exterior • For use on floors and walls • Mold and Mildew Resistant • Zero VOC |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Standards: ANSI A118.6 and ANSI A108.1

Packaging: 25 lb. bag, 96 bags per pallet

Typical Performance Properties		
ANSI 118.6	ANSI Requirements	Unsanded Results
Flexural Strength	350 psi	>2500 psi
Tensile Strength 28 days	350 psi	>450 psi
Compressive Strength 28 days	3500 psi	>4500 psi
LEED v3 NC VOC	EQ Credit 4.1	Super Grout Results
VOC	<65 g/l	0

Caulk



PROFLEX® Color Caulk (Sanded & Unsanded) is designed to be used for caulking around ceramic tile, marble, granite and natural stone floors and fixtures, countertops, showers, tubs and sinks.

- Adheres well in most wet area applications.
- Available in smooth and sanded finishes.
- Resists stains, mold & mildew.
- Safe on Ceramic Tile, Granite, Natural Stone Floors & Fixtures
- Siliconized Acrylic
- Interior Use Only
- Tough Flexible Seal

Available in 10.5 fl. oz., 310mL

Super Caulk



PROFLEX® Super Caulk is a premium, high grade, fast curing, one component non-sag adhesive and sealant that is ideal for use in indoor and outdoor applications. Conforms to ASTM C920 Type S, Grade NS, Class 50, Use T, M, G, A, O and TT-S-230C, Type II, Class A.

- Interior and Exterior use
- Suitable in dry and wet applications
- Superior UV resistance
- Mold and mildew resistance
- Paintable
- Fast skin time
- Can be used as an adhesive and sealant

Available in 10.3 fl. oz. tube

10.3 fl. oz. tube covers 24 lineal feet at 1/4" by 1/4" joint
12 lineal feet at 1/4" by 1/2" joint

Epoxy Grout Mortar



PROFLEX® EGM is a 100% solids mixture of epoxy and integrally colored aggregate used to adhere and grout virtually all types of tile. When used for grouting, EGM provides a grout that is impermeable, stain proof and highly resistant to acids and most chemicals and cleaning solutions. Available in a wide variety of colors, PROFLEX® EGM is used on wall and floor applications. For setting, it can be applied as thin as 1/16" and as thick as 1/4" bed thickness after the tile is set. For grouting, it may be used for grout jobs from 1/16" to 1/2" inches wide. PROFLEX® EGM is ideal for industrial facilities, food processing plants and food preparation areas where the use of strong chemicals, detergents and solvents can cause erosion and damage to portland cement setting beds and grouts. It is also ideal for grout installations in residential countertops and kitchen floors where stain resistance is desired.

Advantages

- 100% Solids Epoxy
- Used for Setting and Grouting
- Maximum Bond Strength
- Stain Resistant for Grouting
- Many Complimentary Colors

Available in 5 gallon units
3 part component

Flooring Adhesives



PROFLEX® Products manufacturers premium adhesives that are specially designed for a variety of applications. Our adhesives offer a wide range of benefits from our competition - whether you're looking for a true pressure sensitive like our PS-100, a low-solvent based adhesive like our PWA-185, or an all-in-one sound control and moisture mitigation adhesive like our PWA-600 - you're going to walk away with the peace of mind knowing you've used the best flooring adhesives on the market that will last for years, up to a lifetime.

Take some time to look through our wide range of adhesives and find the one most advantageous for your next project.

- Acrylic-Urethane Adhesives (pg. 27)
- Urethane Adhesives (pgs. 27, 28)
- Moisture Guard Sound Control (pg. 29)
- Resin-Based Adhesives (pg. 30)
- Resilient Flooring Adhesives (pg. 31)
- Multi-Purpose Adhesives (pg. 32)
- Carpet Adhesives (pg. 33)
- Specialty Adhesives (pg. 33)



Acrylic-Urethane Adhesive



PWA160

Acrylic Urethane Adhesive

PROFLEX® PWA160 is a premium, high solids, acrylic – urethane latex based adhesive designed for the demands of wood floor installations.

- Easy application
- Low solvent VOC formula
- Superior non-slip capability
- Strong Wet / Green capability

Packaging

4 Gallon pail, 48 pails per pallet

Uses

PROFLEX® PWA160 is suitable for installing finish wood surfaces including finger block parquet, 3 ply and 5 ply engineered plank < 1/2" thick and < 5" wide. PROFLEX® PWA160 is NOT recommended for engineered wood exceeding the 1/2" thick 5" wide size or solid wood flooring.

Urethane Adhesive



ProBond

Moisture Cure Urethane

PROFLEX® ProBond is a superior one component moisture curing urethane adhesive. PROFLEX® ProBond possesses high strength bond properties with superior elasticity allowing a good wet / green grab, a superior non-slump capability, and excellent shrink resistance allowing consistent contact between the wood flooring and substrate.

- Easy application
- Low solvent VOC formula
- Superior non-slip capability
- Strong Wet / Green capability
- Minimal shrinkage and non-slump for superior contact

Packaging

4 Gallon pail, 36 pails per pallet

Uses

PROFLEX® ProBond can be used over both concrete and wood substrates to install finish wood surfaces including solid hardwood planks, laminate hardwood flooring, and parquet flooring.

Flooring Adhesives

Urethane Adhesives



PWA200

Moisture Cure Urethane

PROFLEX® PWA200 is a superior one component moisture curing urethane adhesive. PROFLEX® PWA200 possesses high strength bond properties with superior elasticity allowing a good wet / green grab, a superior non-slump capability, and excellent shrink resistance allowing consistent contact between the wood flooring and substrate.

- Easy application
- Low solvent VOC formula
- Superior non-slip capability
- Strong Wet / Green capability

Packaging: 5 Gallon pail, 36 pails per pallet

Uses

PROFLEX PWA-200 can be used over both concrete and wood substrates to install finish wood surfaces including solid hardwood planks, laminate hardwood flooring, and parquet flooring.



PWA500

Moisture Cure Urethane

PWA500 is a two in one urethane moisture barrier and wood flooring adhesive designed to install material such as: Laminated/engineered flooring and parquet flooring over wood or concrete. Application of this product gives the moisture barrier and the wood flooring adhesive in one trowel on application.

- Moisture Vapor Transmission up to 15 pounds
- Strong Wet / Green Grab
- Moisture Barrier
- Quiets Floors

Packaging: 5 Gallon pail, 36 pails per pallet



PWA600

3-in-1 Urethane Adhesive

PROFLEX® PWA-600 is a revolutionary one-component, single step, solvent free moisture cure urethane formulated to perform as an adhesive, moisture vapor barrier and sound reducer.

- NO PRE-INSTALLATION MOISTURE TESTING REQUIRED.
- Suitable for all wood flooring intended for glue-down installations.
- Extreme moisture protection.
- Solvent free.
- Zero VOCs (calculated)

Packaging: 4 Gallon pail, 48 pails per pallet

Enviro Friendly

- Solvent Free
- Zero VOCs (calculated)

PROFLEX® PWA-600 is a solvent-free adhesive and meets the strict requirements of the South Coast Air Quality Management District and may contribute one LEED® point for "Low-Emitting Material-Adhesive and Sealant" (IEQ Credit 4.1). Visit usgbc.org for additional details.

Uses

PROFLEX® PWA-600 is ideal for glue-down installations on all grades for all types of engineered, solid or acrylic impregnated wood flooring, bamboo and wood flooring, designed to be installed using the glue down installation method, that may require protection from damage due to subfloor moisture transmissions. When used as an Adhesive & Moisture Barrier, PROFLEX® PWA-600 reduces moisture to acceptable limits.

Sound Ratings

6" slab without drop ceiling: 52 dB STC (ASTM E90-09), 50 dB IIC (ASTM E492-09)
6" slab with a drop ceiling: 63 dB STC (ASTM E90-09), 66 dB IIC (ASTM E492-09)

Suitable Substrates

Concrete, Portland cement patch, terrazzo, ceramic tile, APA approved wood panels, radiant heat flooring, and cement backer board.

Moisture Guard Sound Control



MGSC

Moisture Guard Sound Control

PROFLEX® MGSC is a single component moisture curing urethane. Designed for easy trowel on application over concrete. MGSC flows to achieve uniform coverage when applied and cures overnight to form a low tack, elastic membrane. MGSC is environmentally superior to most alternative moisture retardation systems, possessing very low V.O.C and odor.

- Single component, moisture curing urethane
- Designed for easy trowel on application over concrete
- Superior product elasticity: elongates to cover small cracks and produces cushioned quieter floors with superior acoustic properties
- Possess very low V.O.C levels and very low odor
- When applied and cured over night, forms a low tack elastic membrane

Packaging: 5 Gallon pail, 36 pails per pallet

Moisture Vapor Requirements:

Concrete Moisture Vapor Limits for subfloor moisture vapor protection:

ASTM 1869 Calcium Chloride Method: None,
Dry in appearance and is dry to the touch.
ASTM 2179 Relative Humidity Test: None,
Dry in appearance and is dry to the touch.

Sound Ratings (test documents available at www.proflex.us)		
STC	IIC	Δ Delta IIC
52*	50*	19*
*Tested on a 6" concrete slab with no ceiling. Engineered wood plank installed over MGSC and PWA 600 adhesive.		
STC	IIC	Δ Delta IIC
61**	64**	
**Tested on a 6" concrete slab with a drop ceiling. Engineered wood plank installed over MGSC and PWA 600 adhesive.		

Limitations

Do not use over concrete treated with sealers or curatives.

Do not use over gypsum based patches or underlayments.

Do not use for below grade applications.

Product will not negate excessive sub floor moisture problems such as hydrostatic pressure. Hydrostatic pressure occurs when the sub floor restricts a body of water from flowing along its normal path. This pressure is unpredictable and can cause failure of the sub floor and any associated coating and barrier system.

Do not use if the floor moisture is outside the floor moisture content guidelines of dry in appearance, dry to the touch and fully cured concrete.

*** For hardwood installations only**

Flooring Adhesives

Resin-Based Adhesives



PWA 185

Resin Based Adhesive

PROFLEX® PWA 185 is a high solids, cross linking, Amide-Ester-Acrylate, resin-based adhesive formulated for the interior installation of dry-back parquet, engineered wood plank, acrylic impregnated plank, and pre-finished and unfinished solid wood flooring. It is solvent free, has a low VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200. PWA 185 is also a nonflammable, low odor adhesive that meets all federal, state, and local governmental indoor air quality regulations. This specially formulated adhesive has good early strength buildup for immediate grab and gradually builds into a tenacious but resilient bond as the chemicals in the adhesive cross-link.

- High solids, cross-linking technology for superior bond
- Waterproof adhesive bond when fully cured
- Does not promote cupping or end-lifting
- VOC Compliant, Low Odor

Packaging

4 Gallon pail, 48 pails per pallet



PWA 400

Resin Based Adhesive

PROFLEX® PWA-400 Premium Grade Wood Flooring Adhesive, is a one component 100% solids, cross linking, STPE polymer-based adhesive formulated for the interior installation of wood block parquet, engineered wood plank, acrylic impregnated plank, bamboo and pre-finished and unfinished solid wood flooring. PROFLEX® PWA-400 also has good concrete moisture inhibition capability as well as good sound reduction properties that meets the IIC and STC building code requirements. Concrete floors over one-year-old with high moisture readings are usually indicative of a chronic underlying moisture source problems which must be determined prior to the wood flooring installation.

- Moisture protection for most common installations
- Contributes to sound reduction
- High strength, water resistant bond

Packaging

4 Gallon pail, 48 pails per pallet



PWA 700

All-in-One Resin-Based Adhesive

PROFLEX® PWA 700 is an engineered adhesive formulated for use in the installation of all types of wood flooring. PWA 700 is 100% solids (contains no water), is solvent and isocyanate free, and has no negligible VOC content.

- Extreme moisture protection.
- Excellent bond strength on all wood flooring products including wide/long plank styles.
- Quick and easy installation and clean up.
- Quiets floors.
- Health/environmentally conscious formula design. (non-urethane and isocyanate free)

Packaging

4 Gallon pail, 48 pails per pallet

Resilient Flooring Adhesives



PS88 Solvent-Free Clear Spread VCT Adhesive

Pro-Stick 88 is a solvent-free adhesive designed for the installation of Vinyl Composition Tile. Pro-Stick 88 provides quick dry times and extended working time with up to 24 hours of aggressive tack.

- Solvent Free
- Aggressive Tack
- Pressure Sensitive

E.Q. 4.1: Low-Emitting Materials: Adhesives & Sealants

E.Q. 4.3: Low-Emitting Materials: Carpet Systems

M.R. 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally

M.R. 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

Packaging

4 Gallon pail, 48 pails per pallet

Uses

For the interior installation of Vinyl Composition Tile (VCT).



PS-100 LVT, VCT, Rubber Vinyl Pressure Sensitive Adhesive

PS-100 is an acrylic pressure sensitive adhesive designed for the installation of fiberglass reinforced sheet vinyl, vinyl backed carpet tiles and commercial carpet cushion. This product may be used as a releasable adhesive or a permanent adhesive (if flooring is installed while adhesive is still wet a permanent bond will be formed).

- Designed for use as a permanent or releasable adhesive to work with a variety of flooring types
- Good plasticizer migration resistance
- Optimal drying time for quick installations
- Enviro-Friendly - solvent-free and LEED® compliant; VOC <1g/L, SCAQMD Rule 1168
- CRI Green Label Plus Certified - GPL#42613
- GoldGuard® antimicrobial product protection

Packaging

4 Gallon pail, 48 pails per pallet

Uses

For the interior installation of Vinyl Back Carpet Tile, Commercial Carpet Cushion, Fiberglass Reinforced Sheet Vinyl, Luxury Vinyl Tiles (up to 12 in x 12 in)



PS-75 Pressure Sensitive Adhesive

PROFLEX® PS-75 Pressure Sensitive is a premium acrylic emulsion that combines the excellent performance of a pressure sensitive adhesive with environmental safety characteristics. PS-75 is releasable, non-flammable, non-hazardous and water resistant. It provides a strong, long lasting bond. PS-75 is designed for the installation of dimensionally stable vinyl-backed carpet tiles and vinyl tile & plank in a releasable application. This adhesive can also be used to install cushions to recommended substrates in double glue down applications. Due to its pressure sensitive characteristics, PS-75 eliminates concern about installing a non-porous backed floor coverings over a non-porous substrate.

Packaging

4 Gallon pail, 48 pails per pallet

Uses

PS-75 is designed for the installation of dimensionally stable vinyl-backed carpet tiles and vinyl tile & plank in a releasable application. This adhesive can also be used to install cushions to recommended substrates in double glue down applications. Due to its pressure sensitive characteristics, PS-75 eliminates concern about installing a non-porous backed floor coverings over a non-porous substrate.

Can be used for: LVT, LVP, and Vinyl Backed Carpet Tile

Leed Contributions

E.Q. 4.1: Low-Emitting Materials: Adhesives & Sealants

E.Q. 4.3: Low-Emitting Materials: Carpet Systems

*LEED™ points are based on all materials used on a project.

PROFLEX® PS-75 also qualifies for the Carpet & Rug Institutes Green Label Plus Program. This is a third party certification with the most stringent V.O.C. regulations in the country. It also qualifies for Floor Score Certification.

Flooring Adhesives

Multi-Purpose Adhesives



PS-76

Pressure Sensitive Adhesive

PROFLEX® Pro Stick 76 Premium Pressure Sensitive Adhesive is formulated to install luxury vinyl tile (LVT), luxury vinyl plank (LVP), carpet tile, fiberglass backed sheet and sheet vinyl flooring. PROFLEX® PS-76 provides a high strength water resistant bond and protects against bacteria growth. PROFLEX® PS-76 is a VOC compliant adhesive certified by CRI's Green Label Plus, RFI's FloorScore and UL GREENGUARD.

Packaging

4 Gallon pail, 48 pails per pallet

Uses

PS-76 is designed for the installation of LVT/LVP, Carpet Tile, Fiberglass Backed Sheet and Sheet Vinyl Flooring.

PS-76 has high moisture resistance. For LVT/LVP and carpet tile flooring moisture emissions, according to ASTM F-1869 Anhydrous Calcium chloride test method, should not exceed 8lbs/1000sq.ft.-24hours or 95% RH according to ASTM F2170 test method.

For fiberglass backed sheet and sheet vinyl flooring moisture emissions, according to ASTM F-1869 Anhydrous Calcium chloride test method, should not exceed 5lbs/1000sq.ft.-24hours or 85% RH according to ASTM F2170 test method.



PS77

LVT, VCT, Rubber Vinyl Adhesive

PROFLEX® Pro Stick 77 is a specialty, solvent free adhesive used for the installation of a variety of Rubber and Vinyl backed products including Luxury Vinyl Tile and Vinyl Composition Tile. Pro Stick 77 is a pressure sensitive adhesive that will cure to a permanent, hard-set bond.

- Low solvent VOC formula
- Superior non-slip capability
- Pressure Sensitive
- Hard set

Packaging

4 Gallon pail, 48 pails per pallet

Uses

For the interior installation of Luxury Vinyl Tile (LVT), Vinyl Composition Tile (VCT), RR-100, and other rubber and vinyl back finish surfaces.
(up to 12 in x 12 in)



MFA

Premium Pressure Sensitive Adhesive

PROFLEX® MFA spreads very easily. Expect little or no "grab" from the adhesive initially. As PROFLEX® MFA dries, it becomes increasingly tacky, ultimately producing a very aggressive grab. Working installation time is several hours. Keep the adhesive surface clean of dust, dirt or anything that may hinder a good bond. The time it takes PROFLEX® MFA to attain its aggressive grab will differ with temperature, humidity, moisture content of the sub-floor and the trowel size used. At 70° F and 50% humidity it will take approx. 45 minutes to one hour for PROFLEX® MFA to become tacky. Fans can be used to create air flow and speed up drying time. Do not allow construction dust to settle on the adhesives surface.

Packaging

4 Gallon pail, 48 pails per pallet

Uses

Can be used for: Multi-Ply Engineered Plank, Foam-Back Multi-Ply Engineered Plank, Foam-Back Parquet, Plain-Back Parquet, Luxury Vinyl Tile, Luxury Vinyl Plank, Acrylic Impregnated Wood, Cork Tile and Cork Underlayment.

Carpet Adhesives



DB-60

Double Stick Adhesive

PROFLEX® Double Bond 60 is a premium quick grabbing adhesive designed for installing carpet in a direct glue down or double glue down application. It can also be used to install fibrous felt back sheet flooring. It is recommended for installation of the following carpet backings: Action-Bac, Sponge Rubber, Latex Unitary, High Density Foam, Latex Foam, and the majority of carpet backings found in the market place today. PROFLEX® DB-60 cannot be used for vinyl backed carpet, vinyl cushion backed sheet goods or urethane unitary carpeting.

Packaging

4 Gallon pail, 48 pails per pallet

Uses

For installation of carpet in a direct glue down application or double glue down application. DB60 can also be used to install fibrous felt back sheet flooring.

Specialty Adhesives



RC4G (RCU Adhesive)

Companion Adhesive for RCU Membranes

PROFLEX® RCU-Adhesive is a high-tack aggressive bonding adhesive to be used in conjunction with PROFLEX® RCU Membrane products.

- Easy and fast to install with standard tools.
- Ready for tiling immediately after installation.

Packaging

4 Gallon pail, 48 pails per pallet

Uses

PROFLEX® RCU-Adhesive may be used to bond RCU membranes to dry, fully cured, and dimensionally stable concrete. Exterior or marine grade plywood. Contact technical support for additional approved substrates.



CBA (Cove Base Adhesive)

Vinyl Wall Base Adhesive

PROFLEX® Cove Base Adhesive (CBA) is a premium solvent free adhesive with fast, aggressive wet suction to grip rubber and vinyl wall base. PROFLEX® CBA can be used over most interior wall surfaces with the exception of vinyl wall covering and other similar non-porous surfaces that prevent the curing of any latex-based adhesive.

- VOC Compliant
- Easy water clean-up
- For all vinyl & rubber cove base
- Strong bond

Packaging & Coverage

30 fl. oz. / 887 ML; approximately 55-60 linear feet of 4" base per 30 oz. tube.

Sports Flooring



PROFLEX® Sports Flooring is a high quality recycled rubber flooring that is designed to be installed anywhere traditional resilient flooring is used. PROFLEX® Sports Flooring is easy to install, clean, and maintain, incurs very low lifecycle costs, and most importantly is made in the USA. Its elasticity, hardness and resistance turns it into the most suitable and attractive product to be used for your flooring needs. PROFLEX® Sports Flooring is designed to be used in fitness centers, training rooms, health clubs, disabled access ramps, ice rinks, and running/walking tracks.

- Sports Flooring Adhesives (pg. 35)
- 10% Color, Sports Flooring (pg. 36)
- 90 Color, Sports Flooring (pg. 37)



Sports Flooring Adhesives



SFA

Sports Flooring Adhesive

PROFLEX® SFA is a solvent-free, latex rich adhesive formulated to provide an exceptional bond when installing rubber or vinyl stair tread, radial tile or rubber sheet flooring over porous and non-porous surfaces free of moisture. PROFLEX® SFA is also designed to permanently install dimensionally stable vinyl backed resilient sheet goods, homogeneous commercial grade PVC sheet flooring, PVC backed carpet, PVC backed carpet tiles, PVC sheet vinyl (vinyl backed), vinyl tile, vinyl plank, linoleum, and linoleum tile. PROFLEX® SFA is LEED compliant and is compliant with South Coast Air Quality Management District Rule 1168.

- Solvent Free - VOC Complaint
- Excellent open time
- Non-hazardous - non-flammable

Packaging

4 Gallon pail, 48 pails per pallet

Suitable Substrates

Concrete
Portland Based Underlayments
Properly Prepared Gypsum
APA Approved Plywood
Terrazzo
Fiber Cement Underlayment
Radiant Heated Subfloors
Properly Prepared VCT (Single Layer)
Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

Restrictions

For interior installations only.
Do not install when MVER is over 8 lbs. per 1,000 sf per 24 hours, per ASTM F1869.
Do not install when relative humidity is over 90%, per ASTM F2170.
Do not install when ambient temperature is not between 60°F & 95°F.
Do not install when ambient relative humidity is above 65%.
It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.



PWA200

Moisture Cure Urethane

PROFLEX® PWA200 is a superior one component moisture curing urethane adhesive. PROFLEX® PWA200 possesses high strength bond properties with superior elasticity allowing a good wet / green grab, a superior non-slump capability, and excellent shrink resistance allowing consistent contact between the wood flooring and substrate.

- Easy application
- Low solvent VOC formula
- Superior non-slip capability
- Strong Wet / Green capability

Packaging: 5 Gallon pail, 36 pails per pallet

Uses

PROFLEX PWA-200 can be used over both concrete and wood substrates to install finish wood surfaces including solid hardwood planks, laminate hardwood flooring, and parquet flooring.

10% Color Sports Flooring

PROFLEX® Sports Flooring is a high quality recycled rubber flooring that is designed to be installed anywhere traditional resilient flooring is used. PROFLEX® Sports Flooring is easy to install, clean, and maintain, incurs very low lifecycle costs, and most importantly is made in the USA.

Uses

- Fitness Centers
- Training Rooms
- Health Centers
- Walking/Running Tracks
- Light Industrial
- Play Rooms

Features and Benefits

- Durable
- Easy Maintenance
- Stain and Scuff Resistant
- Shock Absorbent
- Anti-Fatigue
- Slip Resistant
- Long Life Cycle
- Through Color Composition

Product Sizes and Color Densities

Rolls:

Nominal 48" x 25' / 48" x 50'

Custom cut to length above 50 linear feet

Interlocking Square Tile:







23" x 23" (Tile coverage is 3.67 square feet)

Thickness: 8mm = 5/16"

Available in solid black and in standard color fleck densities of 10% or 20% in red, blue, green, gray, tan, eggshell, yellow, purple, orange, or teal fleck on a black base.

Custom colors blends (Example: 10% red + 10% white = 20% red/white color density) or color densities up to 90% available with minimum incremental purchase.

NOTE: Stock colors, blends, thicknesses, and densities may vary by region and distributors.

 <p>SFIT Black: N381068</p>	 <p>SFIT Gray: N382268</p>
 <p>SFIT Blue: N382318</p>	 <p>SFIT Blue/Gray: N382368</p>
 <p>SFIT Red: N382378</p>	 <p>SFIT EggShell: N382388</p>

90% Color Sports Flooring

PROFLEX® Sports Flooring is also available in 90% color (pictured below).

Red
SFLR 100RD

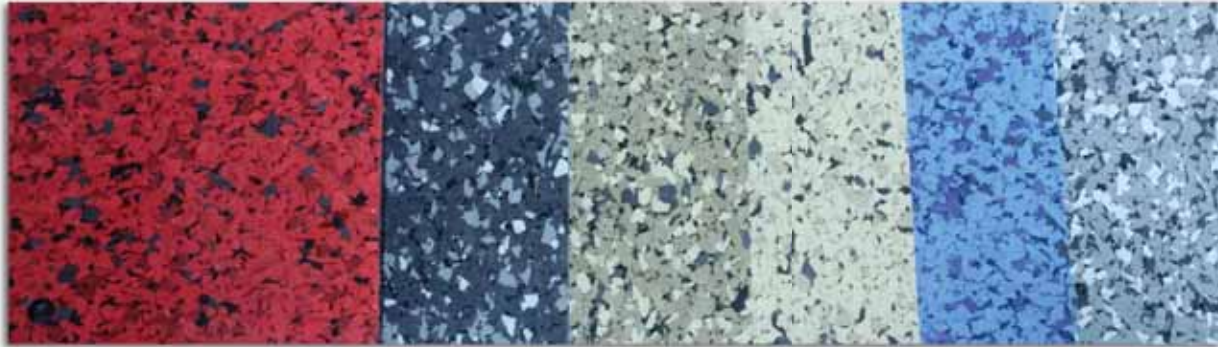
Dark Grey
SFLR 100DG

Medium Brown
SFLR 100MB

Beige
SFLR 100BG

Light Blue
SFLR 100LB

Light Grey
SFLR 100LG



	Test Method	Typical Value
Durometer, Shore A, points of hardness	ASTM D2240-97	60
Density, lbs/ft ³	ASTM D297-93 Part A, Section 16.3	64
Compressibility @ 100 psi, %	ASTM F36-95	12
Recover, & after 100 psi compression	ASTM F36-95	85
Flexibility	ASTM F137-71 (1994)	F=1
Tensile, psi	ASTM D412-98a, die C @ 20 ipm	
With grain		600
Against grain		120
Tear, ppi	ASTM 624-98, die C @ 20 ipm	
With grain		150
Against grain		120
Compression Set, %, 22 hours at 158°F	ASTM D395-98, Method B	
25% deflection		40%
50% deflection		30%
Coefficient of Friction	ASTM D1894-95	
Dry		1.33
Wet		1.56
Critical Radiant Flux	ASTM E648-99	0.1 W/cm ²
Flammability and Flame Spread	DOC FFI-70 CSPC	Pass
Indoor Abrasion, % of Material Loss	ASTM C501-84 (1996)	0.24
Resistance to Chemical Attack	ASTM F925-97	
Ammonia		No surface attack or color change
Bleach		No surface attack or color change
Disinfectant		No surface attack or color change
Alcohol		No surface attack or color change
Tide		No surface attack or color change
5% NaOH Solution		No surface attack or color change
Instrumented Impact, absorbed energy at rupture, ft/lbs.	ASTM D3763-00	20
Static Road Limit, residual compression	ASTM D575-91, 500 lb. load	43
Compression Endurance	10,000 fatigue cycles at 50% displacement	5% set

Care & Maintenance

Surface Protection



Pro Paper

PROFLEX® Pro Paper is a light to medium duty floor covering product. Pro Paper is easy to install and easily protects a variety of surfaces from foot traffic, dirt, dust, light debris, and moisture. Non staining to finished flooring surfaces. Pro Paper is a breathable product that does not restrict the curing of mortars and/or adhesives. Pro Paper is made from 100 percent recycled materials, and is eligible to be used towards LEED® building certifications.

Packaging

36" x 144' roll, 432 sq. ft. /roll



ProShield

PROFLEX® ProShield offers a variety of surface protection products from damage, moisture, or other in-construction related hazards. ProShield utilizes Liquid Shield™ technology, defending against water, paint, mud, and more. All of our ProShield line of products are made from 100% recycled materials from both post-industrial and post-consumer products, and are eligible to be used to contribute to LEED certification.

Packaging

ProShield is available in a 38" x 100' roll (317 sq. ft) 46 lbs, 18 rolls per pallet

Flooring Repair



Rebond-It™

Flooring Repair and Bonding Compound

PROFLEX® Rebond-It™ is an easy to use bonding compound designed to bond loose or hollow tiles without the costly expense of replacing them. The compound is a safe, easy to install, and easy to clean, is used by tile professionals and builders to provide an economical alternative to removing and resetting tiles or repairing hollow sounding tiles.

Packaging

10oz Tubes (24 tubes / 1 CT)
32oz Tubes (12 Tubes / CT)
1 Gal. Container (4 gal. / CT)
5 Gal. Container (36 CT / 1 PA)



ERK

Engineered Wood Repair Kit

ERK is a complete professional wood floor repair system used for repairing hollow spots, loose areas, and end lifting. ERK can be used to repair Vinyl Composition Tile (VCT), Luxury Vinyl Tile / Plank (LVT), Rubber Tile, Cork Tile and Cork Underlayments. ERK can also be used as a contact cement to adhere: Sheet Vinyl, Fiberglass Sheet Vinyl, Carpet Tile, Ceramic Tile, Moldings, Leather and Wood Trim.

Components

1-One Quart of PROFLEX® ERKA, 1-60CC Plastic Syringe, 2-Metal Applicator Tips, 2-Drill Bits, 8-Dowels, 1-Dowel Punch.



SIM Crack Kit

Crack-Isolation Repair-kit

PROFLEX® SIM Crack Kit is an elastomeric membrane kit specially designed to be used under approved thinsets, mortars, adhesives, and is typically used to bridge existing cracks up to 3/8" in flooring surfaces. The 18" wide roll allows installers to cover up to 12" tiles on a diagonal pattern. SIM Crack Kit is ideal for making small repairs to substrates without the time and expense of applying PROFLEX® membrane to an entire substrate.

Packaging

1-18" x 50' roll of PROFLEX® SIM-40 75 sq. ft. roll, 2-Quarts of PR11 Primer, 1-Primer Applicator Brush.

Sealers, Cleaners and Enhancers



Penetrating Sealer

PROFLEX® Penetrating Sealer is designed for the protection of porous surfaces including grout, tile, natural and engineered stone, terrazzo, concrete, quarry and ceramic tile, porcelain tile, brick and masonry surfaces. Suitable for both interior and exterior applications. VOC Compliant and Non-Flammable.

- Natural Finish
- Oil Resistant
- Low VOC
- Odorless

Packaging: 1 US Gallon



Impregnating Sealer

PROFLEX® Impregnating Sealer is a special formulated sealer designed to form a moisture and stain resistant barrier that is ideal for interior and exterior applications. Use it on grout, ceramic, porcelain, quarry tile, marble, granite, travertine, concrete, slate, brick & masonry surfaces.

- Resist stains
- Oil and water resistant
- Penetrates dense, porous surfaces
- U.V. Transparent
- Low VOC

Packaging: 1 US Gallon, 1 Quart, or 1 Pint.



Grout Guard

PROFLEX® Grout Guard is a low VOC, environmentally friendly add mix for cement based grouts. Forms a lifetime integrated seal that is stain resistant without the need for an additional topical application.

- Fully integrated add-mix seal
- No need for extra topical application
- Mix directly into grout with no additional water source required

Packaging: 1 US Gallon (3.78 L)



Grout Release

PROFLEX® Grout Release is a water based formulation for protecting all porous surfaces, natural stone, tile, engineered stone, quartz, terrazzo, quarry tile, ceramic tile, porcelain tile, masonry surfaces, and brick. Allows for easy protection and cleaning of grouted surfaces.

- Protects from surface staining
- Easier grout application
- Easier clean-up
- Water based protection

Packaging: 1 US Gallon (3.78 L)



Sulfamic Acid Cleaner

Sulfamic Acid Cleaner is a fast acting, mild acid cleaner for textured, non-polished natural and manufactured surfaces. It removes sanded grout & mortar residue, joint cement, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime. Good for interior and exterior use. Helps uneven colored grout installations.

- Suitable for interior and exterior applications
- Fast acting
- Easy to use
- Removes efflorescence

Packaging: 1 Pound

PROFLEX®

When waterproofing matters®



PROFLEX® Products Inc. provides innovative products engineered for crack suppression, sound reduction, moisture control and weatherproofing applications that are commonly found in today's building and remodeling industries. PROFLEX® Products are engineered to be installed as part of a complete finish flooring system.

PROFLEX® is actively involved in the finish flooring and building industries. Our representatives are active participants on committees and focus groups that strive

to set superior performance standards for products, sound installation practices, and proper concern for the efficient use of natural resources and environmentally friendly practices.

Contact us:
PROFLEX® Products, Inc.
Ph: 877-577-6353
Web: www.proflex.us

