

wedi Subliner Dry & Flex Pro

- High Performance Crack Isolation Peel & Stick Membrane
- Built in Sound Reduction
- Set any tile using any thinset mortar



General product description

Subliner Dry & Flex Pro is a self-adhering tile underlayment with anti-fracture properties rated "High Performance" as per ANSI 118.12. The product can protect surface coverings against lateral subfloor movement of up to 3/8".

Subliner Dry & Flex Pro is made from highly tear-resistant non-woven polypropylene material combined with a proprietary asphaltic pressure sensitive adhesive layer. The product system provides strong sound deadening and reduction properties, perfect bond to tile and stone coverings using any type of modified thinset mortars as per ANSI 118.4.

Subliner Dry & Flex Pro is suitable for fast and clean installations over many wood and concrete subfloors offering a low profile application. The product system primarily protects tile coverings against lateral movement of subfloor and structures. While not recommended for installations subject to permanent water pressure or use as a sealed assembly for water containment, the waterproof properties of the membrane's asphaltic layers will add much value and protection to a tile installation in areas subject to moisture exposure from heavy duty cleaning. Subliner Dry & Flex Pro is installed with wedi PRO Primer, suitable for most substrates and subfloors as listed here. It is equipped with a release paper backing and is applied easily and cleanly using a 35 – 50 lb roller to ensure no air bubbles or wrinkles are left.

Areas of application

- General crack isolation, sound reduction and tile underlayment use and over suitable subfloor construction in dry areas
- New Construction of Residential/Commercial use buildings
- Renovation in Residential/Commercial use buildings
- Over wooden or concrete substructures on floors

Product features

- High Performance Crack Isolation against up to 3/8" inch lateral subfloor movement.
- Thin profile tile underlayment installation.
- Sound Reduction built into product.
- Fully supports tile and stone across the surface while isolating tile, grout and thinset mortar installation against stresses due to lateral movement.
- 100% mold and mildew proof due to the product's natural composition.
- Easy and clean to cut to size using a utility knife or scissors.
- Faster and more economic installation due to peel & stick methodology replacing a layer of thinset mortar usually applied with common uncoupling membranes.
- Lighter installation when compared to cement backer board or uncoupling membranes.
- No limitation to use of cement based thinset mortars and grouts when setting tile or stone. Product works perfectly with polyurethane or epoxy based grouts. wedi recommends the use of modified thinset mortars of class ANSI 118.4 in most common applications and especially where non-absorbing and/ or smooth backing tile is used.

Substrate/ Material Preparation and Requirements Before Installation

General Limitations / Requirements (Concrete & Wood Subfloors)

- wedi Product Systems are only used for interior installations.
- Do not use as a wear surface or without tile / stone or other suitable coverings.
- Do not use organic mastic adhesives for setting tile on wedi systems in wet areas.
- Certain substrates such as gypsum based underlayments must be primed prior to thinset mortar attachment.
- Do not use where substrate is subject to excessive moisture and moisture content changes.
- Do not use over substrates including, but not limited to: particle board, luan, asbestos, plank, bamboo, hardwood, chipboard, Sponge backed Vinyl Tile / Flooring, Laminates, Fiberglass based surfaces, Metal or Steel surfaces. Do not install over any dimensionally unstable surfaces.
Consult wedi for questions regarding specific approved installations over substrates not listed here.
- Subfloors must be clean, even, sufficiently loadbearing and dry (cured).
- Residues, oil, waxes, grease or other contaminants acting as possible bond breakers must be removed.
- Deflection of all subfloor installations must not exceed L/360 for ceramic tile installations and L/720 for dimensional stone installations over wedi product. under consideration of live and dead loads measured between joists.
- Any leveling of the subfloor must be done prior to installing wedi product and tile. Subfloor maximum variation from plane must not exceed ¼" in 10 ft.
- A wedi installation does not replace the need for Expansion and/ or Movement joint placement within a tile installation. Please follow recommendations found in the TCNA guidelines (Detail EJ171).
- All installations shall be in conformance with IRC for residential installations and IBC for commercial installations or applicable building codes in a region including the consideration of properly designed substrates and subfloors. All installations including the consideration of properly designed substrates and subfloors should be in compliance with current TCNA Handbook for Ceramic, Glass and Stone Tile Installation.
wedi's technical recommendations supersede all requirements of IRC, IBC, IPC or TCNA where in conflict and exceeding minimum requirements established by the above mentioned institutions.
- Contact wedi for installation of tile or stone larger than 12 x 12 inches in size to learn more about the best practices and requirements applied in such applications. Follow tile manufacturers' recommendations for appropriate flooring tile choice, setting materials and installation techniques.

Installation over structural wooden surfaces – Flooring

- Plywood subfloor joist spacing must not exceed 16" o.c. with minimum thickness of T&G exterior grade plywood of 19/32 inch. Joist spacing in excess of 16" o.c. and up to 24: o.c. requires a double layer of ¾" Exterior Grade Plywood T&G subfloor sheets, glued and screwed.
- Plywood sheets must be installed with a 1/8" gap between sheets.
- Wood subfloors and structures attached to wooden subfloors must be kept dry and wood moisture content must be maintained at consistent service and use levels and must not exceed 15 %. Where constant moisture or vapor is present, ventilation must be installed to eliminate exposure of the wood structure from below the wedi product layer.

Installation over concrete /cement surfaces – Flooring

- Concrete slabs or other structural cement based substrates must be fully cured (at least 28 days but up to 3 months for new Portland cement based concrete or lightweight concrete under normal conditions, mix ratio and ambient climate). Field verification of full cure (see moisture level indicators below) is necessary to determine a full cure.
Residual humidity must not exceed the following value per each floor type when setting wedi product and / or tile coverings:
Calcium Sulphate Screeds: 0.5 %
Calcium Sulphate Screeds, heated: 0.3 %
Cement Screeds: 3.5 %
Gypsum based underlayment: 1 % or per manufacturer recommendation
Anhydrite Screeds: 0.5 %
Conduct measures with CM device.
- Concrete Subfloors must not be subject to hydrostatic water pressure.
- Existing cracks in subfloor must be filled and secured. Any grooves or ducts in suitable subfloor constructions must be filled with cement based levelers or patch material prior to installation of wedi Subliner Dry & Flex Pro.
- Concrete or cement based surfaces must be sand blasted and smooth.
- Do not use over control and / or expansion joints subject to out-of plane movement or in- plane-movement.
- Always test wedi Subliner Pro Primer for adhesion with all cement based subfloor surfaces,. Product must adhere and surface tacky to the touch. Highly porous or absorbing surfaces must be primed with epoxy based resins prior to wedi Subliner Dry & Flex Pro installation without additional use of Subliner Pro Primer.

wedi Subliner Dry & Flex Pro- Technical Properties

Subliner Dry & Flex Pro Sheet Membrane	Non- woven Polypropylene Fleece with pressure sensitive asphaltic adhesion layer
Fleece Color	White
Membrane Width	40 inches (1.016 m)
Membrane Length	50 ft. (15 m)
Membrane Thickness	40 Mil
Square Foot Area/ Unit	166 square feet
Processing temperature	+10°C to +30°C/50°F to 86°F
Fungus & Microorganism Resistance ASTM G21	Passed; No Growth
Robinson Floor Test ASTM C627	Rated "Extra Heavy"
Certificate / Approval Product & Quality Management / Control	ISO 9001:2001
Compliance with ANSI 118.12 Specifications for Crack Isolation Membranes for Thinset Ceramic Tile and Dimension Stone Installation	Compliant
Crack Resistance ANSI 118.12 ; Section 5.4	Rating " High Performance"; No cracks in Test Specimens with up to 3/8" subfloor separation
5 week Shear Strength ANSI 118.12; Section 5.1.5 (Requirement >50 PSI)	51 PSI
Aging Shear Strength ANSI 118.12; Section 5.1.6 (Requirement >50 PSI)	95 PSI
IIC Rating (Impact Isolation Class- Drop/Impact Sounds) (Tested with 12"x12" porcelain tile over wedi Subliner Dry & Flex Pro over 6" slab without suspended ceiling according to ASTM E492-09 and E989-06 (2012))	46
STC Rating (Sound Transmission Class- Airborne Sounds) (Tested with 12"x12" porcelain tile over wedi Subliner Dry & Flex Pro over 6" slab without suspended ceiling according to ASTM E90-09 and E413-10.)	53

The Product Range

wedi Subliner Dry & Flex Pro Sheet Membrane (Peel & Stick)	Dimensions	Unit	Item #
Subliner Dry & Flex Pro Sheet Membrane	166 sq.ft. / 50 ft. x 40 inches	1 roll	US5000003
wedi Subliner Dry & Flex Pro Accessories	Dimensions	Unit	Item #
wedi Subliner Pro Primer	½ gl unit used with 1 roll of Subliner Dry & Flex Pro	1/2 gl unit	US5000004

Scope of Delivery

The wedi Subliner Sheet Membrane System is packaged in a protective card board box . Pro Primer is delivered in a plastic container.

Complementary Products to install wedi Subliner Dry & Flex Pro

wedi Installation Accessories: wedi Wooden Float



Warranty Information

Please refer to wedi's 10 year limited warranty on www.wediacorp.com.

MasterFormat™ 2004 Sections

Section 09305 Tile Setting Materials and Accessories

Section 09300 Tile

Storage

Store flat, cool and not exposed to weather. Store in original , protective packaging. Do not permanently store in areas with temperatures exceeding +30 °C (86°F) . Subliner Dry & Flex Pro and Subliner Pro Primer have a shelf life of 12 months from manufacturing date. Please consult expiration label on product box.

Disposal

wedi Subliner Dry & Flex PRO is physiologically harmless. Disposal of the material does not involve any hazardous waste. Cutting residues and compounds of coating and wedi Subliner Dry & Flex PRO can be disposed of as building site waste.

Health & Safety information

Work appropriate work wear , gloves and safety glasses. Product contains cement. Please consult the wedi Safety Data Sheet (SDS) "wedi Fundo" on www.wediacorp.com.

Information about finishing and application options for wedi products, technical recommendations or advice and other information provided by our employees (technical usage advice) is accurate to the best of our knowledge, but is non-binding and is given with the exclusion of any liability. It does not exempt our customers and their buyers from carrying out their own checks and trials on the suitability of the products for the intended processes and purposes.

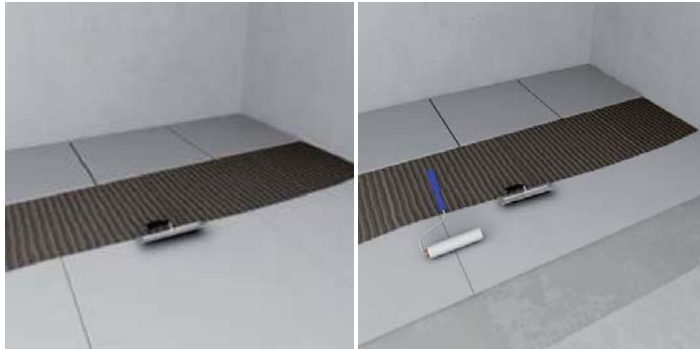
Installation of wedi Subliner Dry & Flex Pro on Floors



1.

2.

3.



4.

5.

1. Prime the clean subfloor using a foam paint roller and cover all areas with wedi Subliner Pro Primer. Check Primer for adhesion by making sure entire surface is uniformly covered with a homogeneous film with milky grey- white surface color and film is tacky to the touch.
2. Lay out wedi Subliner Dry & Flex Pro and cut to size using a knife or scissors. Cut sheets 1 inch longer than needed to allow the membrane to contract once pressed onto the surface. Then remove excess.
3. Insert wedi Subliner Dry & Flex Pro with the black Asphalt coated side facing down (remove release paper/film) and press on with a rubber roller or wooden float. Make sure no air is trapped under membrane and remove all air pockets .
The sheets are butted tightly at joints / transitions.
Cross joints should be avoided. There is no need to apply reinforcing tape over seams.
4. Tiling may commence immediately.
5. During the process of tiling check adhesion at seams and that no air bubbles are left under membrane and correct prior to setting tile over surface.