



# Supplementary Products

## Making Tiling More Effective ... and Fun

We've thought of everything you need to take tile installation projects to the next level. With wedi's range of supplementary products, you can achieve crack isolation, waterproofing, sound deadening and even find the best solutions for joint sealants. We strive to be your one-stop supplier for quality substrate preparation needs.



# wedi® Subliner Sheet Membranes - Engineered for Specialized Performance

## Waterproofing Sheet Membrane: wedi® Subliner Dry

Achieve a permanent seal with wedi® Subliner Dry. This thin-layer, crack-bridging sealing membrane is made from highly tear-resistant polyethylene film and offers optimum connection to tile laying materials thanks to its dual-sided special fleece lamination. It's ideal for use as a quick-sealing measure for building projects with fixed deadlines in combination with ceramic tiles and slabs, as well as with natural cast tiles for indoor wall and floor areas.



## Isolation Sheet Membrane: wedi® Subliner Flex

wedi® Subliner Flex eliminates the need for conventional backer board in creating surfaces on which tile can be set. Thanks to its flexible performance properties, it helps reduce tension between the hard layers of subfloor and floor covering. Lightweight for true thinset applications, Subliner Flex requires no fasteners in installation, making it a cost-effective solution.



## Waterproofing / Isolation Sheet Membrane: wedi® Subliner Dry & Flex PRO

wedi® Subliner Dry & Flex PRO is a peel and stick, flexible underlayment with integral waterproofing, crack-isolating and sound reduction characteristics. This innovative underlayment is made from highly tear-resistant, nonwoven polypropylene material with a rubberized asphaltic, pressure sensitive adhesive layer that offers optimum adhesion to tile laying materials due to its special fleece lamination. It's ideal when quick-sealing measures are required for time-sensitive building projects, in combination with ceramic tiles and slabs as well as with natural cast tiles for indoor and outdoor floor areas. In addition to providing improved tension compensation during abrupt temperature changes, wedi® Subliner Dry & Flex PRO is 100% waterproof and effectively protects subfloors from moisture damage and cracks due to movement.



For technical details and matching accessories, please refer to the product overview.

## Subliner Roll Out Cutter Display: For Waterproofing and Isolation Sheet Membranes



(Item# 15-00-00/012)

Dimension: 41-3/4" x 69-1/8" x 20"

## wedi® Subliner Installation Accessories

Product	Item #	Dimension/Application	unit
wedi® sealing Tape	09-51-10/311	waterproof sealing tape 5" x 32.8 ft	1 roll
wedi® alkali resistant mesh tape	09-52-25/053	self adhesive meshtape 5" x 82 ft	1 roll
wedi® alkali resistant mesh tape	09-52-15/052	self adhesive meshtape 24" x 164 ft	1 roll
wedi® prefab corner tapes	09-51-30/000	inside corner sealing tape	1 piece
wedi® joint sealant	12-00-00/005	polyurethane sealant	1 cartridge 10 oz.
wedi® joint sealant	12-00-00/002	polyurethane sealant	1 sausage 20 oz.
wedi® sausage gun	12-00-00/011	gun for polyurethane sausages	1 piece

20 year limited product warranty for waterproof and flexible character of sealant used in wedi® recommended applications.

# Technical Data Sheet



## wedi Subliner Dry | Waterproofing and Crack Bridging Membrane

### General Product Description

Waterproof, thin-layer, crack isolating sealing web made from highly tear-resistant polyethylene film, which offers optimum connection to tile laying materials thanks to its dual-sided special fleece lamination.

For quick sealing measures for fixed-date building sites in combination with ceramic tiles and slabs as well as with natural cast tiles for indoor wall and floor areas.

### Application Areas

Suitable for residential and commercial applications where waterproof substrate preparation using waterproofing according to ANSI A118.10-1999 is required including but not limited to:

- ✓ Domestic interior bathrooms
- ✓ Hotel bathrooms
- ✓ Shower facilities
- ✓ Areas around swimming pools
- ✓ Commercial kitchens and laundries
- ✓ Steam rooms and refrigeration rooms
- ✓ Wood or concrete subfloors and walls/ceilings
- ✓ Areas requiring disabled access/barrier-free applications

### Product Characteristics

- ✓ Waterproof
- ✓ Mold and mildew resistant
- ✓ Water vapor retarding
- ✓ Flexible and crack bridging/isolating
- ✓ High tear resistance
- ✓ Alkali resistant
- ✓ Non-aging
- ✓ Non-decomposable
- ✓ Short installation time
- ✓ Easy processing
- ✓ Low structural height
- ✓ Can be used with hot water under floor heating systems
- ✓ Low consumption of thinset mortar

### General Limitations

- Some glass tiles may not be compatible with bonded waterproof membranes and/or may require special setting and grouting materials. Consult glass tile manufacturer and wedi Technical Services.



- Gypsum-based solid backing panels shall be limited in use to residential steam showers.
- Do not use mastic adhesives for setting tile on wedi systems in wet area applications.

### Requirements On Floors

#### Wood and similar structural underlayments

##### General:

- Plywood or OSB and other similar subfloors must be clean, even and load bearing. Any leveling of the subfloor must be done prior to installing.
- Design wood floor areas over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness 5/8" tongue and groove with 1/8" gap between sheets.
- Contact wedi Technical Services for wood floor applications exceeding floor truss/joist spacing of 16 o.c.
- All absorbing, mineral subfloors must be primed using deep penetrating primer. Prime smooth or non-absorbing subfloors, which are not to be removed, with self-etching primer.

##### 16" (406 mm) o.c. joist spacing- single layer plywood or OSB subfloor:

- Design wood floor areas with maximum joist spacing 16" (406 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is 5/8" (16 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).



**Concrete Subfloors:**

- Concrete and lightweight concrete at least 3 months old.
- Cracks must be securely filled.
- Evenness must be ensured, no laying on bowl-shaped subfloors.
- The residual humidity must not exceed the following values:
  - Cement screeds\* 3.5 %
  - Calcium sulphate screeds\* 0.5 %
  - Calcium sulphate screeds, heated\* 0.3 %
  - Gypsum-bound plaster/underlayment (measured with CM device) 1.0 % (consider priming if recommended by manufacturer of underlayment)

\* Note that wedi Subliner Dry might trap rising moisture from unisolated concrete ground floors.

**Requirements On Walls/Ceilings**

- Substrate should be even, plumb, square and installed according to manufacturers recommendations.
- Provide insulation in wall and ceiling cavities to reduce moisture condensation on the tiled surface. Solid backing needed – gypsum wallboard, cementitious backer unit, fiber-cement underlayment, fiber-reinforced, water-resistant, gypsum backer board/underlayment, coated glass mat water-resistant gypsum backer board, concrete, masonry block. The substrate must be able to carry load of thin set mortar/membrane/surface finish material. Drywall backings should be primed prior to installation of thin set mortar and wedi Subliner Dry application.

**Installation On Floors**

1. Lay out wedi Subliner Dry and cut to size using a cutter or scissors.
2. Apply thinset mortar according to ANSI A118.4-1999 to the prepared subfloor using a 1/8" x 1/8" or 1/4" x 1/4" notch trowel.
3. Insert wedi Subliner Dry with the printed side facing upwards and press on with a rubber roller or wooden float.
4. The widths must overlap 2" at joints/transitions.
5. Apply a bed of thinset mortar according to ANSI A118.4-1999 with the flat side of the trowel onto the lower mat joint connection area.

6. Press on the overlapping area with a trowel or rubber roller.
7. Remove any escaping mortar and air pockets. Cross joints should be avoided.
8. Apply a continuous 1/2" bead of wedi joint sealant along all seams and spread flat with a putty knife over the joints.
9. In the area of thin bed drains, the web is cut out in the area of the drain opening. wedi Subliner Dry web must be tightly sealed in the entire flange area up to the drain opening using wedi joint sealant.
10. wedi Subliner Dry must be separated over existing movement joints, building separation joints and edge connection joints and must be formed in overlapping pattern as outlined in steps 5/6/8. Use wedi inside and outside sealing corner tapes where applicable.
11. Movement joints must be installed in subfloor according to building code requirements.

**Setting Tile On wedi Subliner Dry/Floors**

1. The thinset mortar underneath the wedi Subliner Dry must have hardened, otherwise unevenness may be caused when the floor is walked on.
2. For tile laying, hydraulically curing thinset mortar according to ANSI A118.4-1999 is applied to wedi Subliner Dry and the tiles are then mainly embedded over the full surface.
3. For coverings subject to chemical stress, suitable reaction resin mortars and grout joint fillers must be used.
4. Grout may be installed 24-48 hours after tile installation (depending on climatic conditions, tile size, grout choice and thinset mortar manufacturers recommendations).
5. Expansion joints must be installed according to specifications and building code requirements.

**Installation On Walls**

1. Lay out wedi Subliner Dry and cut to size using a cutter or scissors.
2. Apply thinset mortar according to ANSI A118.4-1999 to the prepared wall substrate using a 1/8" x 1/8" or 1/4" x 1/4" notch trowel.

3. Insert wedi Subliner Dry with the printed side facing upwards and press on with a rubber roller or wooden float.
4. The fleece mats must overlap 2" at all joints/transitions.
5. Apply a bed of thinset mortar according to ANSI A118.4-1999 with the flat side of the trowel onto the lower mat connection area.
6. Floors have to be covered prior to walls being covered and will be overlapping onto floor area.
7. Press on the overlapping area with a trowel or rubber roller.
8. Remove any escaping mortar and air pockets. Cross joints should be avoided.
9. Apply a continuous 1/2" bead of wedi joint sealant along all seams and spread flat with a putty knife.
10. All openings in the wedi Subliner Dry (i.e. shower head) have to be sealed with wedi joint sealant.

### Setting Tile On wedi Subliner Dry/Floors and Walls/Ceilings

1. On a floor, the thinset mortar underneath the wedi Subliner Dry must have hardened, otherwise unevenness may be caused when the floor is walked on.
2. On walls, tile installation may proceed once wedi joint sealant is tack free (average 30 minutes).
3. For tile laying, hydraulically curing thinset mortar according to ANSI A118.4-1999 is applied to wedi Subliner Dry and the tiles are then mainly embedded over the full surface. For coverings subject to chemical stress, suitable reaction resin mortars and grout joint fillers must be used. Especially dense and smooth tile and stone with low absorbance should be installed with modified mortars according to ANSI A118.4-1999.
4. Grout may be installed 24-48 hours after tile installation (depending on climatic conditions). Expansion joints must be installed according to industry standards and local building codes.

#### Note On Ceilings:

When wedi Subliner Dry and tile are installed on the ceiling, the solid backing and fasteners must be able to support the load of the tile and setting/grouting materials.

### Physical Properties

Material Composition	Dual sided fleece laminated polyethylene film
Web Color Top Side	Grey sheathed
Web Width	1 m/39"
Web Length	5 m/16 ft and 30 m/98 ft
Web Thickness	0.51 mm/2 mil
Weight	298 g/m <sup>2</sup> /.06 lb/sqft
Processing Temperature	+5°C to +30°C/41°F to 86°F
Temperature Resistance	-30°C to +90°C/-22°F to 194°F
Waterproof ANSI A118.10-1999	passed
Perm Rating ASTM E 96	.45

wedi Subliner Dry has been independently tested at the Tile Council of North America and found to meet or exceed the requirements of the American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thinset Ceramic Tile and Dimensional Stone Installation ANSI A118.10-1999

Fungus and Micro Organism Resistance	Shall not support growth	passed
Seam Strength ASTM D751	16 lbs/2" in width minimum	passed (71 lbs)
Breaking Strength ASTM D751	170 PSI minimum	passed 1637 PSI Longit./ 822 PSI Transverse
Dimensional Stability ASTM D1204	0.7% maximum length change	passed
Waterproofness ASTM D4068	No moisture penetration	passed
7 day Shear Strength ASTM C482	50 PSI	passed (152 PSI)
7-day Water Immersion Shear Strength ASTM C482	50 PSI	passed (127 PSI)
4-week Shear Strength ASTM C482	50 PSI	passed (132 PSI)
12-week Shear Strength ASTM C482	50 PSI	passed (72 PSI)
100 day-Water Immersion Shear Strength ASTM C482	50 PSI	passed (117 PSI)

wedi Subliner Dry has been independently tested at the Tile Council of North America and found to meet the criteria of the demanding Robinson- Floor Tester (ASTM C627). The Rating is "Heavy Duty Commercial Use". A modified thinset mortar according to ANSI A118.4-1999 has been used for best results.



### **Packaging Unit**

5 m roll x (web width 1 m)/16 ft roll x (web width 39")  
30 m roll x (web width 1 m)/98 ft x (web width 39")

### **Storage**

Store in a dry, cool place, storable in original packaging for at least 12 months. Do not permanently store above + 30°C/ 41°F.

### **Disposal**

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

### **Warranty**

The technical information (and application instructions) is based on our experience and present knowledge. However, it is the responsibility of the user/buyer to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application parameters. wedi's responsibility and liability with respect to defective products and/or work attaching thereto shall be confined solely to the replacement of the same. In addition, wedi has the right to reimburse the buyer the purchase price paid with respect thereto rather than to replace the defective products.

### **MasterFormat™ 2004 Sections**

Division 7/Thermal & Moisture Protection  
07 10 00 Dampproofing & Waterproofing  
Division 9/Finishes  
09 31 00 Thinset Tiling

Please visit [www.wedicorp.com](http://www.wedicorp.com) for additional information.



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# Technical Data Sheet



## wedi Subliner Flex | Tension Reducing Sheet Membrane

### General Product Description

Tension reducing heavy-duty web made from a strong fabric sheathing, which offers optimum connection to tile laying materials thanks to its dual-sided special fleece lamination.



### Application Areas

wedi Subliner Flex serves as the underlayment and tension reduction between top coverings of ceramic tiles and natural stone and the subfloor in indoor applications. For all load-bearing subfloors and mixed subfloors such as e.g. cement floors, cement, anhydrite and cast asphalt screeds, old parquet floorings with good adhesion, cement, lime-cement and gypsum underlayments.

### Product Characteristics

- ✓ Heavy-duty underlayment
- ✓ Tension-reducing base for ceramic and natural stone coverings
- ✓ Flexible
- ✓ High tear resistance
- ✓ Direct load removal on the subfloor
- ✓ Alkali resistant
- ✓ Non-aging
- ✓ Non-decomposable
- ✓ Short installation time
- ✓ Easy processing
- ✓ Can be used with hot water under floor heating systems
- ✓ Low structural height
- ✓ Low thinset mortar consumption

### Requirements On Floors

Wood and similar structural underlayments

#### General:

- Plywood, OSB, or concrete subfloor must be clean, even, and load bearing.
- Any leveling of the subfloor must be done prior to installing.
- All absorbing, mineral subfloors must be primed using deep penetrating primer.
- Smooth non-absorbing subfloors, which are not to be removed, with self-etching primer.

- wedi Subliner Flex does not replace the need for movement joints including perimeter joints and within the tiled finish surface. Install in accordance with industry standards and according to local building codes.

#### 16" (406 mm) o.c. joist spacing- single layer plywood or OSB subfloor:

- Design wood floor areas with maximum joist spacing 16" (406 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is 5/8" (16 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).
- 19.2" (488 mm) o.c. joist spacing- single layer plywood or OSB subfloor.
- Design wood floor areas with maximum joist spacing 19.2" (488 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).

#### 24" (610 mm) o.c. joist spacing- double layer plywood or OSB subfloor

- Design wood floor areas with maximum joist spacing 24" (610 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is a double layer of 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).



**Natural Stone Installation Over wedi Subliner Flex**

- Design wood floor areas with maximum joist spacing 19.2" (488 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/720 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is a double layer of 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Use the appropriate setting material for certain moisture sensitive stones.

**Concrete Subfloors:**

- Concrete and lightweight concrete at least 3 months old.
- Cracks must be securely filled.
- Evenness must be ensured, no laying on bowl-shaped subfloor.
- The residual humidity must not exceed the following values:
  - Cement screeds\* 3.5 %
  - Calcium sulphate screeds\* 0.5 %
  - Calcium sulphate screeds, heated\* 0.3 %
  - Gypsum-bound plaster/underlayment (measured with CM device) 1.0 % (consider priming if recommended by manufacturer of underlayment)

\* Note that wedi Subliner Flex might trap rising moisture from unisolated concrete ground floors.

**Requirements On Walls/Ceilings**

- Substrate should be even, plumb, square and installed according to manufacturers recommendations.
- Solid backing needed – gypsum wallboard, cementitious backer unit, fiber-cement underlayment, fiber-reinforced water-resistant gypsum backerboard/underlayment, coated glass mat water-resistant gypsum backerboard, concrete, masonry block. The substrate must be able to carry load of thinset mortar/membrane/surface finish material. Drywall backings should be primed prior to installation of thinset mortar and wedi Subliner Flex application.

**Installation On Floors**

1. Lay out wedi Subliner Flex and cut to size using a cutter or scissors.
2. Apply thinset mortar according to ANSI A118.4-1999 to the prepared subfloor using a 1/8" x 1/8" or 1/4" x 1/4" notch trowel.
3. Insert wedi Subliner Flex with the printed side facing upwards and press on with a rubber roller or wooden float.

4. The sheets must be butted tightly at joints/transitions. Apply wedi fiberglass mesh tape over joint.
5. Remove any escaping mortar and air pockets. Cross joints should be avoided.
6. Subliner Flex must be separated over existing movement joints, building separation joints and edge connection joints.
7. Movement joints must be installed in subfloor according to building code requirements.

**Installation On Walls**

1. Lay out wedi Subliner Flex and cut to size using a cutter or scissors.
2. Apply thinset mortar according to ANSI A118.4-1999 to the prepared subfloor using a 1/8" x 1/8" or 1/4" x 1/4" notch trowel.
3. Insert wedi Subliner Flex with the printed side facing upwards and press on with a rubber roller or wooden float.
4. The sheets must be butted tightly at joints/transitions. Apply wedi fiberglass mesh tape over joint.
5. Remove any escaping mortar and air pockets. Cross joints should be avoided.

**Setting Tile On wedi Subliner Flex Floors and Walls/Ceilings**

1. On a floor, the thinset mortar underneath the wedi Subliner Flex must have hardened, otherwise unevenness may be caused when the floor is walked on.
2. On walls and floors, tile installation may proceed once the thinset mortar has hardened.
3. For tile laying, hydraulically curing thinset mortar according to ANSI A118.4-1999 is applied to wedi Subliner Flex and the tiles are then embedded over the full surface.
4. For coverings subject to chemical stress, suitable reaction resin mortars and grout joint fillers must be used. Especially dense and smooth tile and stone with low absorbance should be installed with modified thinset mortars according to ANSI A118.4-1999.
5. Grout may be installed 24-48 hours after tile installation (depending on climatic conditions, tile size, grout choice [Grout – ANSI A118.3, A118.6, A118.7] and thinset manufacturers recommendations).
6. Expansion joints must be installed according to specifications and building code requirements.

**Note On Ceilings:**

When wedi Subliner Flex and tile are installed on the ceiling, the solid backing and fasteners must be able to support the load of the tile and setting/grouting materials.

**Physical Properties**

Material Composition	Dual-sided polypropylene fleece with strong fabric
Web Color Top Side	White
Web Width	1 m/39"
Web Length	30 m/98 ft
Web Thickness	0.85 mm/2.7 mil
Weight	220 g/m <sup>2</sup> /.04 lb/sqft
Processing Temperature	+5°C to +30°C/41°F to 86°F
Temperature Resistance	-30°C to +90°C/-22°F to 194°F

wedi Subliner Flex has been independently tested at the Tile Council of North America and found to meet the criteria of the demanding Robinson-Floor Tester (ASTM C627). The Rating is "Moderate Commercial Use". A modified thinset mortar according to ANSI A118.4-1999 has been used for best results.

**Packaging Unit**

L x W – 30 m x 1 m roll (98 ft x 39 in).

**Storage**

Store in a dry, cool place. Storable in original packaging for at least 12 months. Do not permanently store above + 30°C/ 41°F.

**Disposal**

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

**Warranty**

The technical information (and application instructions) is based on our experience and present knowledge. However, it is the responsibility of the user/buyer to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application parameters. wedi's responsibility and liability with respect to defective products and/or work attaching thereto shall be confined solely to the replacement of the same. In addition, wedi has the right to reimburse the buyer the purchase price paid with respect thereto rather than to replace the defective products.

**MasterFormat™ 2004 Sections**

Division 9/Finishes  
09 31 00 Thinset Tiling

Please visit [www.wedicorp.com](http://www.wedicorp.com) for additional information.



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## Technical Data Sheet



# wedi Subliner Dry & Flex PRO Waterproofing, Crack Protection & Sound Reduction Membrane

### General Product Description

A peel and stick flexible underlayment with integral waterproofing, crack-isolating and sound reduction characteristics. The underlayment is made from highly tear-resistant non-woven polypropylene material with rubberized asphaltic, pressure sensitive adhesive layer, which offers optimum connection to tile laying materials thanks to its special fleece lamination. For quick sealing measures for fixed-date building sites in combination with ceramic tiles and slabs as well as with natural cast tiles for indoor and outdoor floor areas. The special underlayment provides improved tension compensation during abrupt temperature changes. wedi Subliner Dry & Flex PRO is 100% waterproof and will effectively protect the subfloor from moisture damage and cracks due to movement. It was successfully tested and exceeded criteria according to ANSI A118.12.

### Application Areas

Suitable for residential and commercial applications where waterproof substrate preparation according to ANSI A118.10-1999 and crack isolation according to ANSI A118.12 are required including but not limited to:

- ✓ Indoor and outdoor use
- ✓ Balconies and patios
- ✓ Residential bathrooms
- ✓ Hotel bathrooms
- ✓ Shower facilities
- ✓ Areas around swimming pools
- ✓ Commercial kitchens and laundries
- ✓ Shopping malls
- ✓ Wood or concrete subfloors
- ✓ Areas requiring disabled access/ barrier-free applications
- ✓ Condominiums

### Product Characteristics

- ✓ Waterproof
- ✓ Crack-isolating and tension reducing
- ✓ Dramatically reduces the amount of thinset mortar used when compared to hard plastic thinset mortar membranes
- ✓ Any modified thinset mortar can be used to bond to tile and stone
- ✓ Sound control/isolation

- ✓ High tear resistance
- ✓ Alkali resistant
- ✓ Non-aging
- ✓ Non-decomposable
- ✓ Short installation time
- ✓ Tile ready upon installation
- ✓ Easy processing
- ✓ Low structural height (50 mil)
- ✓ Can be used with hot water under floor heating systems



### Requirements On Floors

Wood and similar structural underlayments

#### General:

- Plywood, OSB, or concrete subfloor must be clean, even and load bearing.
- Any leveling of the subfloor must be done prior to installing.
- All subfloors must be primed using deep penetrating primer such as wedi PRO Primer.
- Smooth non-absorbing subfloors, which are not to be removed, with self-etching primer.
- wedi Subliner Dry & Flex PRO does not replace the need for movement joints including perimeter joints within the tiled finish surface. Install in accordance with industry standards and according to local building codes.
- On crawl space floors and in applications for roof patios over existing living space, vapor barriers must be installed according to local building codes (please contact wedi Technical Services).

#### 16" (406 mm) o.c. joist spacing—single layer plywood or OSB subfloor

- Design wood floor areas with maximum joist spacing 16" (406 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.

## Technical Data Sheet:

## wedi Subliner Dry &amp; Flex PRO | Waterproofing, Crack Protection &amp; Sound Reduction Membrane

- Minimum subfloor thickness is 5/8" (16 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).

**19.2" (488 mm) o.c. joist spacing—single layer plywood or OSB subfloor**

- Design wood floor areas with maximum joist spacing 19.2" (488 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).

**24" (610 mm) o.c. joist spacing—double layer plywood or OSB subfloor**

- Design wood floor areas with maximum joist spacing 24" (610 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/360 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is a double layer of 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Minimum tile size 2" x 2" (50 mm x 50 mm).

**Natural Stone Installation Over wedi Subliner Dry & Flex PRO**

- Design wood floor areas with maximum joist spacing 19.2" (488 mm) o.c. over which tile is to be applied to have a deflection not greater than 1/720 of the span when measured under 300 lb. concentrated load (see ASTM C627). Follow IRC and ICC regulations and local building codes.
- Minimum subfloor thickness is a double layer of 3/4" (19 mm) tongue and groove with 1/8" (3 mm) gap in between sheets.
- Use the appropriate setting material for certain moisture sensitive stones.

**Concrete Subfloors:**

- Concrete and lightweight concrete at least 3 months old.
- Cracks must be securely filled.

- Use a deep penetrating primer such as wedi PRO Primer.
- Evenness must be ensured, no laying on bowl-shaped subfloors.
- The residual humidity must not exceed the following values:

- Cement screeds\* 3.5 %
- Calcium sulphate screeds\* 0.5 %
- Calcium sulphate screeds, heated\* 0.3 %
- Gypsum-bound plaster/underlayment (measured with CM device) 1.0 % (consider priming if recommended by manufacturer of underlayment)

\* Note that wedi Subliner Dry & Flex PRO might trap rising moisture from unisolated concrete ground floors.

**Installation On Floors**

1. Apply primer according to installation instructions.
2. Lay out wedi Subliner Dry & Flex PRO with the release liner side down. Cut to size using a cutter or scissors. Cut the membrane length 6" to 8" longer to allow for a trimmed fit.
3. Pull release paper off membrane while applying wedi Subliner Dry & Flex PRO. Press on by hand and smooth out possible air pockets, ensuring good bond and 100% contact with subfloor.\*
4. The sheets must be overlapped 1/2" at joints and/or transitions.
5. Trim excess material as needed at walls, corners or termination areas.
6. Apply wedi joint sealant over the joints and trowel flat with a putty knife.
7. Cross joints should be avoided.
8. In the area of drains and installations, the underlayment is cut out in the area of the drain opening. Subliner Dry & Flex PRO must be tightly sealed in the entire flange area up to the drain opening with wedi joint sealant.
9. Subliner Dry & Flex PRO must be separated over existing movement joints, building separation joints and edge connection joints.
10. Movement joints must be installed in subfloor according to building code requirements.

\* Note that wedi Subliner Dry & Flex PRO might be extremely hard to remove once applied.



## Technical Data Sheet:

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## wedi Subliner Dry &amp; Flex PRO | Waterproofing, Crack Protection &amp; Sound Reduction Membrane

**Setting Tile On wedi Subliner Dry & Flex PRO on Floors**

- wedi Subliner Dry & Flex PRO can be tiled over immediately.
- For tile laying, modified thinset mortar according to ANSI A118.4-1999 is applied to wedi Subliner Dry & Flex PRO and the tiles are then embedded over the full surface.
- For coverings subject to chemical stress, suitable reaction resin bond mortars and grout joint fillers (epoxy) must be used. Especially dense and smooth tile and stone with low absorbance should be installed with modified thinset mortars according to ANSI A118.4-1999.
- Grout may be installed 24-48 hours after tile installation (depending on climatic conditions, tile size, grout choice [grout – ANSI A118.3, A118.6, A118.7] and thinset mortar manufacturers recommendations).
- Expansion joints must be installed according to specifications and building code requirements.

**Physical Properties**

Material Composition	100% polypropylene nonwoven coated with rubberized asphaltic pressure sensitive adhesive
Color Top Side	White fabric/Black adhesive
Width	40 in/1016 mm
Length	50 ft/15 m
Thickness	50 mil (tolerance +/- 5 mil)
Area	166 ft <sup>2</sup>
Application Temperature	+40°F to +210°F/+4°C to +99°C
Waterproof ANSI A118.10-1999	Passed
Robinson Floor Test ASTM C 627	Rating "HEAVY DUTY" for "shopping malls, stores, commercial kitchens, work areas, laboratories, auto showrooms and service areas, shipping/receiving, and exterior decks"

wedi Subliner Dry & Flex PRO has been independently tested at the Tile Council of North America and found to meet or exceed the requirements of the American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimensional Stone Installation ANSI A118.12 . The Rating is "High Performance".

Fungus and Micro Organism Resistance	Shall not support growth	Passed
4-week Shear Strength (5.1.5)	37 PSI	High Performance 20 PSI
Shear Strength at 0.0625 in. deflection	31 PSI	
Shear Strength at 0.125 in. deflection	34 PSI	
Accelerated Aging Shear Strength (5.1.6)	113 PSI	High Performance 20 PSI
Shear Strength at 0.0625 in. deflection	83 PSI	
Shear Strength at 0.125 in. deflection	105 PSI	
Point Load Test (5.2)		
Sample 1	689 PSI	
Sample 2	563 PSI	
Sample 3	571 PSI	
System Crack Resistance Test (5.4)		Passed/High Performance
Specimen 1	No Crack	
Specimen 2	No Crack	
Specimen 3	No Crack	

wedi Subliner Dry & Flex PRO has been independently tested at the Tile Council of North America and found to meet the criteria of the demanding Robinson-Floor Tester (ASTM C627). The Rating is "Heavy Duty Use". A modified thinset mortar according to ANSI A118.4-1999 has been used for best results.

wedi Subliner Dry & Flex PRO has been independently tested at the Tile Council of North America and found to meet or exceed the requirements of the American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thinset Ceramic Tile and Dimensional Stone Installation ANSI A118.10-1999

Sound Control & Reduction Properties Sound Test DELTA (Tapping Test) & FIIC	
Test Method DELTA	ASTM 2179
DELTA IIC effectiveness	20
Date	July 2008; Tested by an independent NAVLAP certified acoustical laboratory in accordance with ASTM E2179 and ASTM E1007
Test Method FIIC	ASTM 1007-04
DELTA FIIC effectiveness	58
Date	March 2009, Tested by D.L. Adams Associates Inc. consultants in acoustics in accordance with ASTM E1007 and ASTM E989

Technical Data Sheet:  
wedi Subliner Dry & Flex PRO | Waterproofing, Crack Protection & Sound Reduction Membrane

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### Packaging Unit

L x W – 15 m x 1 m roll (50 ft x 40 in)

### Storage

Store in a dry, cool place. Storable in original packaging for at least 12 months. Do not permanently store above + 30°C/ 41°F.

### 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.

### Warranty

The technical information (and application instructions) is based on our experience and present knowledge. However, it is the responsibility of the user/buyer to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application parameters. wedi's responsibility and liability with respect to defective products and/or work attaching thereto shall be confined solely to the replacement of the same. In addition, wedi has the right to reimburse the buyer the purchase price paid with respect thereto rather than to replace the defective products.

### **MasterFormat™ 2004 Sections**

Division 7/Thermal & Moisture Protection  
07 10 00 Dampproofing & Waterproofing  
Division 9/Finishes  
09 31 00 Thinset Tiling  
09 60 00 Sound Control Underlayment  
09 80 00 Acoustical Treatments

Please visit [www.wedicorp.com](http://www.wedicorp.com)  
for additional information.



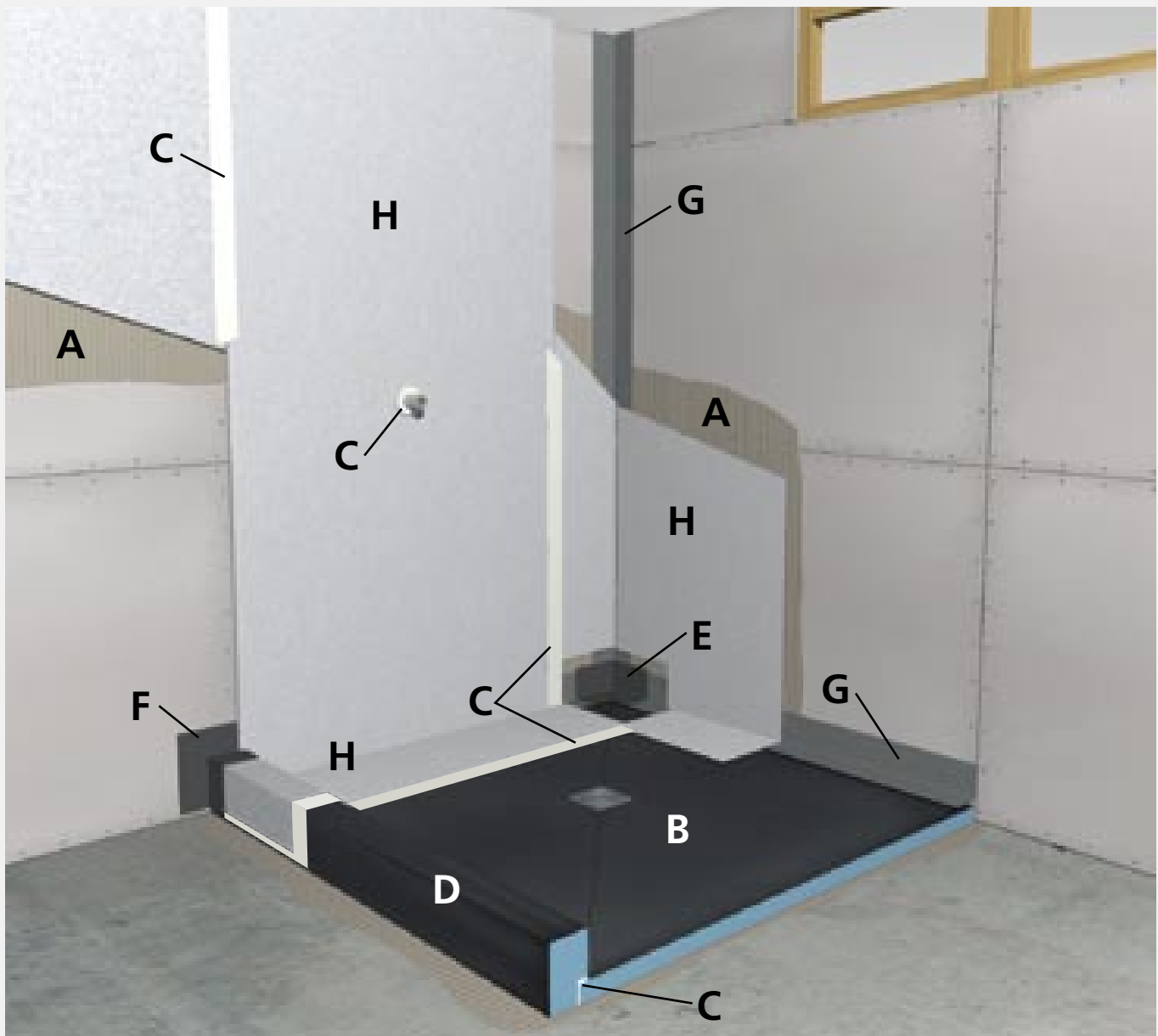
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# Subliner Dry Installation Instructions with Fundo or Riolito Base

## Application Materials

- A. Modified Thinset**
- B. Fundo Shower Base w/Drain**
- C. wedi Joint Sealant**
- D. Full Foam Curb**
- E. Inside Corner Seal\***
- F. Outside Corner Seal\***
- G. Waterproof Seam Tape\***
- H. Subliner DRY\***



\* Applied into thinset suitable for substrate

## Installation Instructions

1. Assemble the wedi® drain to the Fundo Shower Base in accordance with drain specifications.
2. Apply a 1/2" bed of modified thinset over the wood or concrete subfloor in both the base and curb area. (B)
3. Press the Fundo Base firmly into the bed of mortar.
4. Check the Fundo Base to ensure it is level.
5. Connect and seal the Fundo Base drain to the 2" drain pipe that is cut flush to the subfloor top surface.
6. Apply a 1/2" bead of wedi® joint sealant to the curbside channel of the Fundo Shower Base. (C)
7. Apply a 1/2" bead of wedi® joint sealant to the 1/2" channel on the curb.
8. Set the curb against the base; spread the excess joint sealant along the joint.
9. Use modified thinset to apply outside corner seals to two upper corners of the curb. (D)
10. Use modified thinset to apply inside corners to the four inside corners of the base. (E)
11. Use modified thinset to apply seam tape to all inside corners. Fill 1/2" channels with thinset. (F)
12. With an 1/8"x1/8" or 1/4"x1/4" notched trowel, apply a modified thinset onto one wall. (G)
13. Roll out the Subliner Dry, in a vertical direction, into the bed of thinset so that it overlaps at least 2" onto the base covering the seam tape. (H)
14. With a wood float, smooth out the Subliner Dry so there are no air bubbles or pockets.
15. Continue for all walls with a 2" overlap into thinset for each new layer.
16. If necessary, slice the Subliner Dry at the corner and overlap into thinset.
17. For all plumbing and lighting protrusions, cut the Subliner Dry to fit tight to the protrusion and flush with the substrate.
18. Apply wedi® joint sealant to all joints including where the Subliner Dry overlaps, adheres to the Fundo Base or Curb, and touches plumbing or lighting protrusions. (C)
19. Set your tile with a thinset suitable to the tile.