



wedi[®] PRO-SET[™] Tile Adhesive

Technical Data Sheet




Modified tile adhesive optimized for adhesion with wedi[®] brand product surfaces in interior, wet area applications.

- Developed for use with wedi[®] S-DRY[™] shower systems and with wedi Fundo[®] and wedi[®] Building Panel cementitious surfaces
- Optimized for securing large and heavy porcelain and natural stone tile using up to 3/4 inch square notch trowels
- Optimized non-sag properties for clean and efficient work flow
- Creamy and smooth consistency for great haptics and workability
- Easy to handle and spread using a variety of tile trowels
- 3-hour pot life
- Meets ANSI A118.4, ANSI A118.11, and ANSI A118.15
- Supports and completes a 15-Year Limited and Lifetime-Limited PRO warranty installation
- Available in white

...wedi[®]

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Suitable Substrates

- wedi Fundo®, wedi® Building Panels, wedi® S-DRY™
- Common building substrates (concrete that has cured for at least 28 days, CBU in accordance with manufacturer guidelines, etc.)
- Existing tiles (tile over tile)^{*1*2}
- Approved waterproofing and uncoupling membranes^{*1}
- Plywood (interior, horizontal applications)
- Metal (non-aluminum; Interior Only).^{*1} Contact a wedi Technical Sales Support Manager before proceeding further.
- Approved, properly prepared, non-water-soluble adhesive residue on concrete; Properly primed.
- Cement or Fiber Cement backer boards, drywall or Magnesium Oxide panels.^{*1,*2,*3}

^{*1} Must be sound, solid and well-bonded to underlying, structurally sound substrates.

^{*2} Some substrates require priming and or treatment - verify tile adhesive can bond safely.

^{*3} Always verify specific substrates and backerboards are prepared for and intended to adhere with thinset tile adhesive mortars.

^{*4} wedi® PRO-SET™, while bonding amounts of excess water, will need to cure by hydration. Adequate ventilation and heat will aid in drying. Pay special attention when applying PRO-SET between low-absorbing substrates and finishes. Contact us for recommendations related to specific or challenging materials.

Suitable Applications

- Installation of most common tile types including ceramic, porcelain, and most natural stones
 - When installing natural stone tile, a sample installation should be performed.
 - Not for moisture-sensitive tile and stone
 - For highly absorbent tile, glass tile, and for resin-backed tile and stone, please contact wedi.
- Installation over dry or damp (but not wet) substrates
- Installation in interior applications built for dry or wet use (but not submerged)

Contact your local wedi Technical Sales Support Manager with questions related to specific finishes not listed.

Prepare the project site

When installing wedi® PRO-SET™ and during the product's full curing time please ensure ambient and substrate temperatures are maintained at a minimum of 52°F or 11°C. Please be sure to avoid extreme temperature changes during installation and cure time and turn off floor warming systems 72 hours before the installation and do not turn them back on until 48 hours after the installation is completed.

Prepare the Substrate

Make sure substrate is sound, solid, even, true, plumb and level, clean and free of dirt, debris, particles, loose materials, grease, paint, oils, wax and other residues and potential bond breakers. Shot blast substrate if necessary. But do not use sanding, acid etching, solvents or adhesive removers and sweeping compounds that may become bond breakers.

After cleaning the substrate use a shop vacuum and damp sponge to remove dust if needed.

Do not install product over movement joints and consider placement of expansion joint details as per TCNA detail EJ171.

If you need to level the substrate prior to wedi® PRO-SET™ application

Contact wedi for suitable product brand recommendations to level the substrate. wedi® PRO-SET™ has been successfully tested with the following products:

Interior

ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar

ARDEX A 38™ Rapid Set Screed

ARDEX Liquid BackerBoard® Self-Leveling Underlayment for Interior Wood and Concrete Subfloors

ARDEX TL 1000™ Self-Leveling Underlayment

ARDEX TL 1400™ Self-Leveling Underlayment

ARDEX TL 2000™ Fiber Reinforced, Self-Leveling Underlayment

ARDEX SKM™ Skim Finish - Skimcoat Patch & Finishing Underlayment

Observe the substrate preparation, mixing, application and drying instructions in the appropriate ARDEX technical data sheet. Per ANSI A 108 AN-3.7, expansion joints must be provided over existing moving joints and moving cracks and where substrate materials change composition or direction.

If you need to waterproof or prime your substrate prior to wedi® PRO-SET™ application.

Waterproofing / Crack Isolation Options

wedi® S-DRY™ Waterproofing Sheet Membrane System
wedi® S-DRY™ SEAL Waterproofing and Crack Isolation Compound
wedi® Building Panels

Follow the instructions in the respective technical data sheet.

Priming existing tiles and other non -porous, approved surfaces

Option 1: Apply a coat of ARDEX P 4™ Pre-Mixed, Rapid-Drying, Multipurpose Primer (or equivalent), which must dry 30 - 60 minutes before proceeding with the tile installation.

Option 2: Mix the mortar with ARDEX E 90™ Admix (or equivalent) in accordance with the technical data sheet, and install directly over the non-porous surface.

Option 3: Cover the entire surface with a scratch coat of the tile mortar. Allow the scratch coat to harden and dry completely before proceeding with the tile installation.

Priming Gypsum based drywall surfaces

Option 1: Apply a coat of ARDEX P 4™ Pre-Mixed, Rapid-Drying, Multipurpose Primer (or equivalent), which must dry 30 - 60 minutes before proceeding with the tile installation. Follow the instructions in the respective Ardex technical data sheet.

Option 2: ARDEX P 51 Double prime (or equivalent). Follow the instructions in the respective Ardex technical data sheet.

How to Mix and Apply wedi® PRO-SET™

Recommended Tools

Mixing Paddle; Mixing Container; 1/2" (12 mm) heavy-duty drill (min. 650 rpm); appropriate measuring bucket; Margin trowel; Appropriate notched trowel

Safety and OSHA Compliance

Handle each bag with care, emptying it in a manner that avoids creating a plume of dust. While mixing, use a standard "gutter hook" vacuum attachment in combination with a heavy-duty, bucket-style vacuum (Shop-Vac or similar) and HEPA dust extraction vacuum system.

Application Information on Mixing, Drying Times and Drying Behavior

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying.

Water ratio:	3 3/4 - 4 3/8 quarts (3.55L - 4.14L) clean water per bag.; or 2 1/4 parts powder: 1 part clean water by volume
Pot life:	3 hours
Open time:	Up to 30 minutes
Adjustment time:	15-20 minutes

Mixing and Applying wedi® PRO-SET™

Pour the water in the mixing container first, and then add powder while mixing with the mixing paddle and a 1/2" (12 mm) heavy-duty drill (min. 650 rpm). Mix thoroughly for approximately 2 to 3 minutes to obtain a lump-free mix. Do not overwater! Additional water will weaken the compound and lower its strength.

No slake time required.

Thickness of Application

Application:	Maximum Thickness of Application:	Maximum notch trowel Size:
Over membranes	3/8" (9.5 mm)	3/4 x 3/4" (19 mm x 19 mm)
All other cases	1/2" (12.7 mm)	

Small batches may be mixed by hand. Use a margin trowel, and mix vigorously. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency.

Jobsite conditions and temperature may affect pot life. If the material begins to harden within published pot life, retemper with a drill and mixing paddle.

Installation should proceed in accordance with ANSI A 108.5. After mixing, apply mortar to the substrate with the flat side of a trowel to obtain a solid mechanical bond. Apply to an area no greater than that which can be covered with tile while the mortar remains plastic. Do not set tile or stone into skinned over mortar.

Comb the mortar with a notched trowel of sufficient depth to ensure that the tile or stone is covered uniformly over the entire surface (note thickness limitation over membranes as detailed above). Follow TCNA recommendations for proper transfer of mortar from the substrate to the tile or stone. The type and size of the tile or stone will dictate the size of the notched trowel to be used to achieve proper transfer.

When setting certain types of tile or stone, it may be necessary to trowel a layer of mortar on the back of each tile or stone prior to placement on the combed mortar bed in order to achieve the required mortar-to-tile contact. Press each tile firmly into the freshly combed mortar to ensure maximum mortar contact with the tile.

When you can grout tile assemblies

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying. Forced drying can dry the surface of the product prematurely and is not recommended.

Location:	Cure time prior to grouting:
Floor Tiles	24 hours
Wall Tiles	8 hours

Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products.

Never mix with cement or additives outside of our written recommendations. In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas, including the tile flooring. As tiles vary, always contact and rely upon the tile manufacturer for specific directives, such as maximum allowable moisture content, mortar selection and intended end use of the product. If the installation is not proceeding as expected, Contact a wedi Technical Sales Support Manager before proceeding further.

Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website. Observe the basic rules of tile work. Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

How much wedi® PRO-SET™ is needed and how to store it

All data based on a partial, in-lab mix. Mixing and Testing completed at 70°F / 21°C. Physical properties are typical values and not specifications.

Coverage:	<p>1/8 x 1/8" (3 mm x 3mm) square notch trowel = 100 - 103 sq. ft. (9.29 -9.57 m²) per bag</p> <p>1/4 x 3/16" (6 mm x 4.76 mm) V-Notch trowel = 50 - 55 sq. ft. (4.65-5.11 m²) per bag</p> <p>1/4 x 1/4" (6 mm x 6 mm) square notch trowel = 53 - 56 sq. ft. (4.92-5.20 m²) per bag</p> <p>1/4 x 3/8" (6 mm x 9 mm) square notch trowel = 34 - 37 sq. ft. (3.16-3.44 m²) per bag</p> <p>1/2 x 1/2" (12 mm x 12mm) square notch trowel = 25 - 28 sq. ft. (2.3 - 2.6 m²) per bag</p> <p>Coverage is dependent on surface profile, density and porosity.</p>
Color:	White
Packaging:	25 lb (11.34 kg) bag
Installation:	<p>To install a 36" x 60" wedi® S-DRY™ Shower System (including 3 walls and a curb) - plan for approximately 2 bags of wedi® PRO-SET™</p> <p>To install a 48" x 72" wedi® Shower Base - plan for approximately 1 bag of wedi® PRO-SET™</p>
Storage:	Store in a cool, dry area. Do not leave units exposed to sun. Protect unused material by removing air from container and sealing tightly.
Shelf life:	12 months, if unopened and properly stored
Warranty:	wedi® 10 year, 15 year PRO and Lifetime Limited Warranty For full warranty details, visit: wedicorp.com/wedi-warranty/

Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at: www.wedicorp.com.

Made in the USA

Store in a cool, dry area. Do not leave units exposed to sun.

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