

wedi® S-DRY™ SEAL

Technical Data Sheet

- Developed for waterproofing and bonding wedi® S-DRY™ shower system membrane overlaps, transitions, seam tape and connections to wedi® S-DRY™ bonding flange drains.
- Dries to a waterproof film that allows the still-fresh thinset under wedi® S-DRY™ sheet membranes to hydrate out.
- wedi® S-DRY™ shower installations are readily waterproofed and sufficiently cured to accept a flood test on the same day 6 hours after application of wedi® S-DRY™ SEAL.
- Meets ANSI A118.10 (Waterproofing)
- Solvent and VOC free.
- Can be used in general waterproofing applications over suitable substrates and prior to tiling.
- Shelf life: 12 months

Product advantages and use

wedi® S-DRY™ SEAL is a two component cement based waterproofing for use with wedi® S-DRY™ products in wet area applications. Can be used with wedi® S-DRY™ Membrane, tapes, inside and outside corners, pipe seals, etc.







Technical datasheet wedi Fundo Curbless Shower System I Subject to technical changes, please visit www.wedicorp.com for most up to date data.

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.)*1
- Cement or Fiber Cement backer boards , drywall or Magnesium Oxide panels.*1, *2

*1 Some backer board/wall panel or floor substrates might require priming.

*2 Always verify specific substrates and backerboards are prepared for and intended to adhere with thinset tile adhesive mortars.

Suitable Environments

- Installation over dry or damp (but not wet) substrates
- Installation in interior applications built for dry or wet use (but not submerged)

Prepare the project site

When installing wedi® S-DRY™ SEAL 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.

Prepare the Substrate

Make sure substrate is sound, solid, even, true, plumb and level. Be sure all installation areas are clean and free of dirt, debris, particles, loose materials, grease, paint, oils, wax, other residues and potential bond breakers.
After preparing the substrate for installation, use a vacuum and damp sponge to remove dust.
Do not install product over movement joints and consider placement of expansion joint details as per TCNA detail EJ171.
In S-DRY™ shower system and membrane installations, make sure to remove any thinset residue on the membrane surface using a damp sponge.

How to Mix and Apply wedi® S-DRY™ SEAL

Recommended Tools:
For best results, mix with a Ring Mixing Paddle and a high speed drill.

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.

Mixing the two components (Liquid and Powder)

Pour Liquid into the mixing bucket followed by the Powder. Do not add any water or other additives. Mix thoroughly for 2-3 minutes and re-stir just prior to application to ensure creamy and lump free consistency.

To mix a full batch of wedi® S-DRY™ SEAL to the desired spreadable consistency, mix one part of liquid with one part of powder by volume. A full batch size is 20 fluid oz. of each the powder and the liquid which ensures the material can be used up during its pot life.

Apply the S-DRY™ SEAL to the S-DRY™ membrane surface using a 3 inch wide 3/16" x 5/32" V notch putty knife. Apply wide enough to provide a full setting bed for the S-DRY™ seam tape or prefabricated corners. Comb through the application with channels pointing in the short direction so that once you are pressing the seam tape onto the treated area air can easily escape. Total thickness should be 1/32” (0.79 mm) minimum. Use a float and move it over the bonded seam tapes and work air out from underneath the seam tape or prefabricated corners. Ensure that the seam tape is adhered flat over the surface and with no wrinkles or air inclusions left.

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Tile Installation and Flood Testing

Tile can be installed over the wedi® S-DRY™ shower installation (sealed at seams with wedi® S-DRY™ SEAl) 6-8 hours after membrane installation. Contact wedi before installing resin-backed or highly absorbent tile or moisture sensitive stone.
If Flood testing is required in a wedi S-DRY Shower System please allow 6 hours to pass after completing the wedi® S-DRY™ installation before beginning the flood test. Once the flood test is completed drain all water and tiling may commence.

Application Data

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.

Coverage:	Approx. 45 ft. of sealing tape / seams in wedi® S-DRY™ assembly (or approx. a 36 x 60 in. shower with 3 walls + curb) with 32 liquid oz. wedi® S-DRY™ SEAL (mix 2 batches of each 16 oz. Liquid plus 16 oz. Powder, a mixing ratio of 1:1 by volume)
Pot Life:	30-45 minutes, may need to refresh by mixing.
Drying time:	Approx. 30 minutes for tack free drying and 6 hours until exposure to water (e.g. through a flood test).
Flood test:	Begin 6 hours after the installation of S-DRY™ SEAL with S-DRY™ Tape in any S-DRY™ Shower installation.
Shelf Life:	12 months

Property	Test Method	ANSI Specification	Test Result
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	> 8 lbs. / inch width	48 lbs. / inch width
Breaking Strength	A118.10 Section 4.3	> 170 psi (12 kg/cm^2)	865 psi (61 kg/cm^2)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.00%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass
Shear Bond Strength to Cement Mortar			
Shear Strength After Water Immersion (7 days)	A118.10 Section 5.4	> 50 psi (5 kg/cm^2)	90 psi (6 kg/cm^2)
Four Week Shear Strength	A118.10 Section 5.5	> 50 psi (5 kg/cm^2)	132 psi (9 kg/cm^2)

Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products.
Interior use only. All tools should be cleaned with water immediately after use. As always, wedi recommends the installation of test areas to confirm the suitability of the product for the intended use. Never mix with cement or additives other than wedi approved products. Observe the basic rules of tile work. Do not install below 50°F (10°C) surface temperature. Store at temperatures between 40 and 90°F (5 - 32°C). Do not freeze. Do not reuse container. Dispose of packaging and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

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ICC-PMG 1189 Report ▪ National Building Code Compliances

WEDI FUNDO® SHOWER SYSTEM AND TILE BACKER BOARD UNDERLAYMENTS	
CSI	DIVISION: 22 00 00 – PLUMBING. Section: 22 40 00 – Plumbing Fixtures (Shower System Kit)
Product certification system	The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.
Product	wedi Fundo® Shower System, wedi® S-DRY™ Shower System, wedi® Builder Choice Shower System, wedi® Building Panel, wedi Builder Choice Tile Backer, wedi® Vapor 85 and wedi® Subliner Dry.
Listee	wedi Corporation ▪ 1160 Pierson Drive, Batavia, IL 60510. www.wedicorp.com
Compliance with the following codes	2024, 2021, 2018, 2015, 2012 and 2009 International Plumbing Code® (IPC) 2024, 2021, 2018, 2015, 2012 and 2009 International Residential Code® (IRC) 2024, 2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC) 2024, 2021, 2018, 2015, 2012 and 2009 National Standard Plumbing Code® (NSPC) 2024, 2021, 2018, 2015, 2012 and 2009 Uniform Plumbing Code® (UPC)* 2025, 2022, 2019, 2016 and 2013 California Plumbing Code (CPC)* 2023, 2020 and 2017 City of Los Angeles Plumbing Code 2025, 2020, 2015, 2010 and 2005 National Plumbing Code of Canada** * Uniform Plumbing Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials ** National Plumbing Code of Canada is a copyrighted publication of National Research Council Canada
Compliance with the following standards	ANSI A118.10-2023, Load Bearing, Bonded, Waterproof Membranes for Thinset Ceramic Tile and Dimension Stone Installations ANSI/TCNA A118.18-2023, Test Methods and Specifications for Foam Core Backer Boards ASME A112.18.2/CSA B125.2-2020, Plumbing Waste Fittings ASTM E 96-2024a, Standard Test Methods for Gravimetric Determination of Water Vapor Transmission of Materials ASTM E 331-00(R23) Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference ICC-ES EG 159, Evaluation Guideline for Composite Backer Board (Approved Dec 2004) ICC-ES AC 71, Acceptance Criteria for Foam Plastic Sheathing Panels Used as Water Resistive Barriers (Approved Feb 2003, Ed Revised Nov 2018) IAPMO PS 46-2012, Field Fabricated Tiling Kits IAPMO PS 106-2015e1, Tileable Shower Receptors and Shower Kits
Identification	Packaging label for each system shall include the manufacturer's name or trademark as well as the ICC-ES PMG certification mark.
Installation	The wedi Fundo®, wedi® S-DRY™ Shower System and wedi® Builder Choice Shower System shall be installed in accordance with the manufacturer's published instructions and the applicable code(s). The wedi Fundo®, wedi® S-DRY™ Shower System and wedi® Builder Choice Shower System components shall be assembled and can be customized in the field. When provided drains must comply with ASME A112.18.2/CSA B125.2 as applicable. The wedi® pre-sloped, ready-to-tile shower bases may be used in lieu of a CSA B45.5/IAPMO Z124 plastic shower receptors or any liner based shower installations. The wedi® drain units do not require weep holes.
Models	The wedi Fundo®, wedi® S-DRY™, and wedi® Builder Choice Shower Systems consist of the following: a) The wedi Fundo®, wedi® S-DRY™ and wedi® Builder Choice shower bases are waterproof, pre-sloped, ready-to-tile floor units. The shower bases with linear and point drainage include factory sealed parts integrated into the floor bases and can be installed with or without curbs in recess, barrier free installations. b) The wedi® Building Panels and wedi® Builder Choice Tile Backers are inherently waterproof and are engineered as a general purpose backer board and underlayment for tile. They also serve as an integral part of the wedi Fundo® or wedi® Builder Choice shower system and consist of a rigid extruded polystyrene foam covered on both sides with a cement-based resin surface and reinforcing mesh for durability and bond performance with tile adhesives. c) The wedi® Vapor 85 Building Panel may be used with or without wedi Fundo®, wedi® S-DRY™, and wedi® Builder Choice shower systems. It is a specialized building panel featuring the original wedi® Building Panel but with its vapor exposed side protected by wedi® Subliner Dry or wedi® S-DRY™. The wedi® Vapor 85 was tested to ASTM E96 Procedure E as a complete assembly with the wedi® 620 Sealnt or wedi® S-DRY™ SEAL and wedi® Subliner Dry sealing tape or wedi® S-DRY™ Tape over seams and fastener points and was found to have a perm rating of 0.03 perms which meets the permeance rating requirement of 0.5 perm or less and can be used in continuous use steam shower/room applications without additional vapor retarders in accordance with Tile Council of North America (TCNA) 2014 Handbook for Ceramic Glass and Stone Tile Installation (SR613-14 and SR614-14). d) The wedi Fundo®, wedi® S-DRY™ and wedi® Builder Choice Shower System accessories which may include the following waterproof components: wedi® pre-sloped curbs, wedi® niches and niche shelves, wedi® seats and benches, wedi® shower base extensions and ramps, wedi® fasteners, wedi® drain cover and drain cover frames, wedi® Joint Sealant, wedi® Fundo Click and Seal® drain, wedi® S-DRY™ drain, wedi® S-DRY™ BFD Bonding Flange Drain, wedi® S-DRY™ sheet waterproofing membrane system and tapes, wedi® Subliner Dry sheet waterproofing membrane system and tapes, wedi® Subliner Dry Tub Sealing Tape or wedi® Curbless Shower Recess Kit. The wedi Fundo® family line includes the following: wedi Fundo® (shower bases with a point drain and for primary use with curbs), wedi Fundo® Linear (shower bases with integrated linear drain and featuring single slope or 4-way slope designs) and wedi Fundo® Curbless (shower bases for curbless floor-level entry showers and with a point drain). The wedi® S-DRY™ family line includes the following: wedi® S-DRY™ shower bases, wedi® S-DRY™ Waterproofing Sheet Membrane, wedi® S-DRY™ BFD Bonding Flange, wedi® S-DRY™ Seal (2-component seam waterproofing), wedi® S-DRY™ Curb, wedi® S-DRY™ Extension and wedi® S-DRY™ Tape and Prefabricated Corners. The wedi Fundo®, wedi® S-DRY™, and wedi® Builder Choice Shower system components and assembly for shower installations were proven to be waterproof, water-resistant, and mold resistant when tested in accordance with A118.10 and ASTM E331. The wedi® drains have been found to comply with ASME A112.18.2/CSA B125.2 and do not require weep holes.
Conditions of Listing	1. The wedi Fundo® , wedi S-DRY™ and wedi® Builder Choice Shower Systems, wedi® Building Panels, wedi® Builder Choice Tile Backer Boards, Sentinel PRO by wedi Foam Core Backer Boards and these products System Accessories, wedi® Vapor 85 and wedi® Subliner Dry and these products Accessories shall be installed in accordance with the manufacturer's published instructions and the applicable code(s). 2. The wedi Fundo® , wedi S-DRY™ and wedi® Builder Choice Shower Systems, wedi Vapor 85® and Sentinel PRO by wedi Foam Core Backer Boards are under a quality control program with annual surveillance inspections by ICC-ES.

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wedi® Technical Drawings

To view technical drawings for wedi® S-DRY™ products that are often used with wedi® S-DRY™ SEAL, click here.

Pre-During-Post Installation Care and Preparation

To view pre-during-post installation care and preparation, view the installation manual here.

Requirements/Limitations for wedi products used in Shower and Wet Room applications

To view general limitations, view our Requirements/Limitations section of our technical handbook here and as it may apply to wedi

Packaging and sales

To view available shower kit sizes, shower base sizes, and add-on options that are often used with wedi® S-DRY™ SEAL, click here for the wedi Technical Handbook.

Storage & Handling

Consult Safety Data Sheet SDS (if available) for safe handling of product
Store product in original packaging on a flat and solid surface and do not store other product or material on wedi product.
Ensure product is protected against traffic and exposure to moving objects to avoid damage to the product.
Protect product during storage in warehouse or on project sites and when in transit against weather and keep at all times in a dry and cool environment (between 41°F to 95°F (5°C to 35°C)) and where product is protected against direct exposure to UV/sunlight.

Warranty

To view our information regarding our standard 10-Year Limited Warranty and our extended 15-Year and Lifetime Limited Warranties available through registration of the project through a wedi PRO certified installer, click here.

Training, Installation Resources and Technical Support

To view our training and workshop schedule, click here.
To download our digital technical handbook, click here.
To get in touch with your local technical sales support manager, click here and select your state to be provided with contact information.
Or, scroll down and fill out the contact form to send a message directly to your local technical sales support manager!

Architectural Support

- Virtual and in-person AIA Presentations for CEU's
- Specification assistance, technical drawings and more
- For more information, contact wedi at:
  email: **architecture@wedicorp.com**
  phone: **847-357-9815.**

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