# wedi® Joint Sealant
## SMP & Adhesive

## Technical Data Sheet

...wedi®

- Elastic adhesive and sealant for wedi Building Panels and showers
- Waterproof adhesion
- Solvent and Isocyanate free
- Neutral and odorless curing
- Chemtrec Phone: 800-424-9300

## General product description

wedi® Joint Sealant is a product designed by wedi to meet our shower system performance needs. wedi® Joint Sealant is a flexible sealant and construction adhesive that creates strong connections between wedi assembly parts without additional tape reinforcement—used for standard wedi shower installations with the wedi Fundo® Shower Base, wedi Fundo® Curbless Shower Base, and wedi Fundo® Linear Shower Base.

wedi® Joint Sealant is indispensable in regular wedi shower assemblies to adhere, seal and reinforce seams and connections, and waterproof fastener points. No additional taping is needed! wedi®Joint Sealant is a single component Silyl Modified Polymer (SMP) for use in wedi product system installations as specified in installation manuals. The product is specially-formulated for high green strength (high immediate internal strength), adhesion in wet and alkaline environments, and permanent flexibility. The product forms strong connections between wedi components and provides watertight seals on and in joints and seams, and allows for dissipation of stress caused by shock, vibration, or thermal movement. It is used to waterproof, connect, and reinforce seams or fastener points. For an average wedi shower installation, you'll need to plan for approximately 1.2 oz. per square foot of wall panel surface in your shower.

## Application requirments

- Recommended application temperatures: 60°F - 95°F ( 15°C - 35 C) and with Relative Humidity >50%. Lower temperature and lower humidity will slow curing process and may prevent curing process initiation with very low relative humidity (below 20%).
- For cold weather application, condition units to 70°F prior to use.
- For best performance, wedi Joint Sealant should be applied to a joint at the midpoint of its designed expansion-contraction cycle.
- Place nozzle/tip into joint and fill as required in installation manuals. Maintain consistent and continuous beads.
- Compress internal joint applications between wedi products to be sealed. Tool topically applied sealant over seams using a putty knife.

**Limitations:**

- Alcohol must not be used in preparation for bonding as it will stop the curing process.
- Do not apply on surfaces below 40° F (4°C).
- Not recommended for direct glazing of glass, acrylic or polycarbonate windows.
- Relevant testing should always be performed by the user as wedi does not recommend wedi Joint Sealant as fit for any particular use besides the wedi product systems installations as specified in applicable wedi product literature.
- Do not expose freshly applied material to water on application surface and do not spray with water in an attempt to shorten curing process- as it may lead to an excessive reaction terminating the curing process.

# Technical Properties ▪ wedi Systems

| Basic material | Silane Modified Polymer sealant |
|---|---|
| UV rating | After 2000 hours UV-A no change in appearance Or physical properties (ASTM G26) |
| Color | Light grey |
| Curing method | Moisture |
| Green strength | 1400 PA (Physica Rheometer MC 100) |
| Specific gravity | 1.5 g/ml |
| Skin forming time (75°F / 50% R.H.) | Approx. 30 minutes |
| Thorough hardening (70°F / 50% R.H.) | Approx. 3mm/24 hours |
| Volume change | < 3% (DIN 52451) |
| Tensile strength (*Rate = 1"/minute) | 225 psi |
| Elongation at break (*Rate = 1"/minute) | 275% |
| Shore A hardness | 50 (DIN 53505) |
| Shear strength | 305 psi (DIN 53283/ASTM D1002 (adh. thickness 2 mm, test speed 50 mm/min) |
| Temperature resistance | Approx. -75°F to 350°F (-24°C to 177°C) |

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Report on www.icc-es.org
or www.wedicorp.com

## Surface requirements

Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying wedi Joint Sealant. Some substrate materials may not be compatible with this product. Testing a small area for compatibility is recommended. wedi Joint sealant offers high green strength (internal strength) and permanently flexible adhesion in wedi construction joints and when exposed to alkaline environments.

## Precautionary information

Some applications may not be compatible with this product. Some cleaners, solvents may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended. Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See SDS for additional information. KEEP OUT OF REACH FROM CHILDREN.

## Additional information

Please contact your local wedi Representative with questions or for assistance with specific applications. Our service team is always available to assist with your needs.

## Important notice

wedi MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE besides for the use in applicable wedi product installations. User is responsible for determining whether the wedi Joint Sealant product is fit for a particular purpose and suitable for user's method of application. Given the variety of factors that can affect the use and performance of the wedi Joint Sealant product, many of which are uniquely within the user's knowledge and control, it is essential that the user evaluate every product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

# ICC-PMG 1189 Report ▪ National Building Code Compliances

| WEDI FUNDO SHOWER SYSTEM AND TILE BACKER BOARD UNDERLAYMENTS | |
|---|---|
| CSI | DIVISION: 22 00 00 – PLUMBING<br>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<br>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 and Tile Backer Board Underlayments |
| Listee | wedi Corporation ▪   1160 Pierson Drive, Batavia, IL 60510<br>www.wedicorp.com |
| Compliance with the following codes | 2021, 2018, 2015, 2012 and 2009 International Plumbing Code® (IPC)<br>2021, 2018, 2015, 2012 and 2009 International Residential Code® (IRC)<br>2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC)<br>2021, 2018, 2015, 2012 and 2009 National Standard Plumbing Code® (NSPC)<br>2021, 2018, 2015, 2012 and 2009 Uniform Plumbing Code® (UPC)*<br>2019, 2016 and 2013 California Plumbing Code (CPC)*<br>2020 and 2017 City of Los Angeles Plumbing Code<br>2015, 2010 and 2005 National Plumbing Code of Canada**<br>  * Uniform Plumbing Code is a copyrighted publication<br>    if the International Association of Plumbing and Mechanical Officials<br>** National Plumbing Code of Canada is a copyrighted publication<br>    of National Research Council Canada |
| Compliance with the following standards | ANSI A118.10-2020, Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations<br>ASME A112.6.3-2019, Floor and Trench Drains<br>ASTM E 96-2021, Standard Test Methods for Gravimetric Determination of Water Vapor<br>Transmission of Materials<br>ASTM E 331-00(R16), ASTM E331-00(2016) Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference<br>ICC-ES EG 159, Evaluation Guideline for Composite Backer Board (Approved Dec 2004)<br>ICC-ES AC 71, Acceptance Criteria for Foam Plastic Sheathing Panels Used as Water Resistive Barriers (Approved Feb 2003, Ed Revised Nov 2018)<br>IAPMO PS 46-2012, Field Fabricated Tiling Kits<br>IAPMO PS 106-2015e1, Tileable Shower Receptors and Shower Kits |
| Identification | Packaging label for each system shall include the manufacturer's name or trademark<br>as well as the ICC-ES PMG certification mark. |
| Installation | The wedi Fundo Shower Systems shall be installed in accordance with the manufacturer's<br>published instructions and the applicable code(s).<br>The wedi Fundo Shower system components shall be assembled and can be customized in the field.<br>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. |
| Listed Models and Characteristics | The wedi Fundo Shower Systems consist of the following:<br>a) The wedi waterproof Fundo show 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.<br>b) The wedi waterproof building panels which are engineered as a general purpose backer board and underlayment for tile as well as an integral part of the Fundo 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.<br>c) the wedi Vapor 85 Building Panel which may be used with or without wedi 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. The wedi Vapor 85 was tested to ASTM E96 Procedure E as a complete assembly with the wedi 620 joint sealing membrane and wedi Subliner Dry sealing 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).<br>d) The wedi waterproof Fundo Shower system accessories which may include the following waterproof components: wedi pre-sloped curbs, wedi niches, wedi seats, wedi fasteners, wedi drain cover plates, wedi sealants, wedi Fundo drains, wedi Subliner sheet waterproofing membrane system and tapes, with wedi Subliner Dry Bonding Flange drain, wedi Subliner Dry Tub Sealing Tape.<br><br>The wedi Fundo family line includes the following: Primo, Riolito, Riolito Modular, Riofino, Discreto, Ligno and OneStep. The wedi Fundo Shower system components and assembly for shower installations were proven to be waterproof, water-resistant, and mold resistant when tested in accordance with A118.10-2014 and ASTM E331. The wedi drains have found to comply with with ASME A112.18.2/CSA B125.2 and do not require weep holes. |

## 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® Joint Sealant.

## Packaging and sales

- 10.5 oz cartridges (12/case)
- 20 oz. sausages (20/case)

## 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.

Store in a dry, cool place between 41°F to 95°F (5°C to 35°C). Shelf life of at least 12 months in unopened original container for wedi joint sealant and 18 months for wedi 620.

## Safety Notice

Please refer to the Safety Data Sheet.

## Warranty

To view our information regarding our general and PRO system warranties, or to submit your PRO warranty registration form, click here.

A copy of wedi's 10, 15 and 20-year system warranty information can downloaded by clicking on the button at the top of the page: Download Warranty.

## 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 Austin Rott, our Commercial Project Division Sales Manager at:
  email: **austin.rott@wedicorp.com**
  phone: **310-279-9132**.

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

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