wedi® Sealant 620

Technical Data Sheet

- wedi sealant 620 is waterproof and reacts to form an elastic sealant specially formulated to work in the presence of high humidity.
- wedi sealant 620 is highly vapor retarding and made for use in wedi steam room and steam shower applications.
- The product is free of solvents, silicone and PCBs and has low shrinkage.
- It is formulated with low viscosity and used to seal and adhere to wedi fleece type surfaces like wedi Subliner Dry membranes or wedi Vapor85 Building Panel systems.

Product advantages and use

wedi® Sealant 620 is based on the same basic design as the wedi® Joint Sealant but is modified to perform best in steam showers due to its vapor resistant fit with wedi's Vapor 85 and Subliner Dry surfaces. wedi® Sealant 620 is a flexible sealant offering vapor-tight performance. Darker in color and thinner in viscosity than wedi® Joint Sealant, wedi® Sealant 620 sinks deeply into fabric membranes. It is used with a wedi sealing tape to create strong connections in Subliner Dry sheet waterproofing and Vapor 85 assemblies. It is used for wedi® Vapor 85 steam shower installations. They are installed using the wedi® Sealant 620 between assembly components. Use to waterproof and affix wedi sealing tape over seams and fastener points. For use with all wedi® Subliner Dry products (includes wedi inside/outside corner sealing tape, wedi waterproof sealing tape, wedi® Vapor 85 patch kit for fastener locations, and wedi® Subliner Dry mats for seams and overlaps.
Note: Thinset mortar is also used in the installation of wedi® Subliner Dry. See installation instructions for more information.

wedi® Sealant 620 is indispensable in combination with wedi® Vapor 85 and wedi® Subliner Dry. wedi® Sealant 620, unlike wedi joint sealant, is not a standalone construction adhesive. Where wedi® Sealant 620 is used to adhere, connect, and seal assembly parts, it needs to be used in combination with wedi® Subliner Dry sealing tape reinforcing all seams and joints. In a wedi 620 installation project with wedi® Subliner Dry waterproofing membrane you need one 2.5 oz per every one linear foot of wedi sealing tape or Subliner Dry overlap seam coverage in a Vapor 85 (includes fastener points treatment) or Subliner Dry assembly.

For additional information on steam room applications built with wedi Vapor 85 Building Panels, click here.

For additional information on wedi Subliner Dry sheet waterproofing membrane installations, click here.

Technical datasheet wedi Sealant 620 l Subject to technical changes, please visit www.wedicorp.com for most up to date data.

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Technical Properties ▪ wedi Systems

wedi Sealant 620 Technical Properties	
Basic material	Silyl Modified Polymer (SMP)
Color	Grey or Anthracite
Hardening system	Through air humidity
Density	ca. 1.45 g/ml
Solvent Content	0%
Isocyanate content	0%
Drying agent content	approx. 100%
Elongation at break	approx. 250%
Skin formation	After approx. 15 minutes*
Through-hardening (+73°F / 50% RH)	approx. 3 mm. per 24 hours
Permissible total movement	approx. 20%
Processing temperature	do not use below +41°F
Temperature resistance	-104°F + 212°F up to 356°F for short time (max 30 minutes)
Frost stability	not frost sensitive
Water Vapor Transmission**	ASTM E 96-2016; Permeance/Perms 0.03 and WVT (grains/h x ft^2) 0.05

*Extended curing times when applied between, or under, waterproof products.

**"Vapor 85 assembly incl. seams". Test standard is ASTM E 96 Method E at 100 F* and 90 % R.H.

Find Current ICC Report on www.icc-es.org or www.wedicorp.com

Applications

wedi® Sealant 620 is used for sealing and adhesion of wedi® Subliner Dry sheet membrane system, or where wedi® Sealing Tape is used over wedi® Vapor 85 building panel seams, in-between Vapor 85 panels, and with Vapor 85 Fastener Patches.

Surface requirements

The adhesive surfaces / wedi product surfaces must be dry and free of grease and dust. Any contaminants such as separating agents, preservatives, grease, oil, dust, water, old adhesives/sealants and any other materials that could impair adhesion must be removed.

Installation

wedi sealant 620 should be applied to the bonding surface with no air bubbles/enclosures and with good full adhesion area surface coverage (thickness max. 1/8 in. / 3 mm). Anticipate 1.5 linear feet of 2 in. overlap; or flashing up wall per ounce of wedi sealant 620. For surface bonding, wedi sealant 620 should be thinly spread on the surface with a fine grooved spatula or similar. The sealant is applied to the surface where product is bonded and approx. ½ inch mm beyond the border areas of the sealing tape or area that would overlap with a Subliner Dry or sealing tape. Sealing tape corners, sealing tapes or Subliner Dry overlapping sheets are inserted into the fresh adhesive layer and pressed on (e.g. with a trowel or pressure roller) so that the sealant is pushed out of the sides. The excess material is smoothly removed with a smoothing trowel or putty knife. Folds and distortions should be smoothed out and pressed flat. Once the wedi sealant 620 has cured, tiling can begin. The cure time will be extended by the water/vapor proof enclosure of the sealant beneath a wedi sealing tape or Subliner Dry sheet. Higher temperature and higher humidity on the installation site speed up the curing process (reverse conditions slow the curing process). Initial curing may take 24-48 hours. The sealant should be fully cured and ready for water and vapor exposure through the application after 96 hours.

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.

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 and Tile Backer Board Underlayments
Listee	wedi Corporation ▪ 1160 Pierson Drive, Batavia, IL 60510 www.wedicorp.com

Compliance with the following codes	2021, 2018, 2015, 2012 and 2009 International Plumbing Code® (IPC)
	2021, 2018, 2015, 2012 and 2009 International Residential Code® (IRC)
	2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC)
	2021, 2018, 2015, 2012 and 2009 National Standard Plumbing Code® (NSPC)
	2021, 2018, 2015, 2012 and 2009 Uniform Plumbing Code® (UPC)*
	2019, 2016 and 2013 California Plumbing Code (CPC)*
	2020 and 2017 City of Los Angeles Plumbing Code
	2015, 2010 and 2005 National Plumbing Code of Canada**
	  * Uniform Plumbing Code is a copyrighted publication
	    if 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 A118.10-2020, Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations ASME A112.6.3-2019, Floor and Trench Drains ASTM E 96-2021, Standard Test Methods for Gravimetric Determination of Water Vapor Transmission of Materials 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 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 Shower Systems shall be installed in accordance with the manufacturer's published instructions and the applicable code(s). The wedi Fundo 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.
Listed Models and Characteristics	The wedi Fundo Shower Systems consist of the following: 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. 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. 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). 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. 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® Sealant 620.

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® Sealant 620.

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**.

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