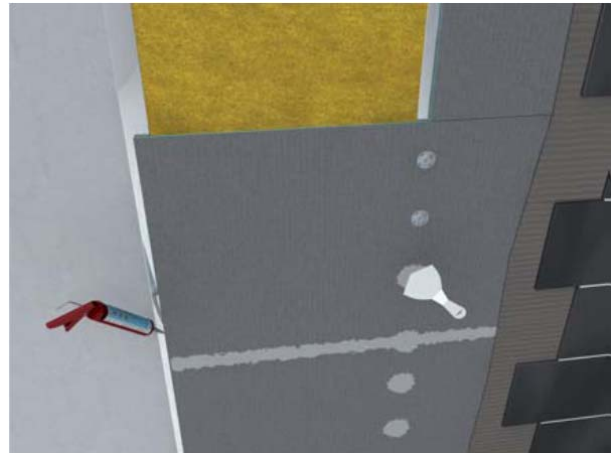


wedi Joint Sealant

- Waterproofing, joining and reinforcing wedi product system assemblies
- Safer, Stronger, permanently flexible performance compared to thinset bonded sealing tapes
- Reduces Build- up over seams
- Ready for tiling 20-30 after installation
- Ready for flood tests after 2 hours
- Tenacious adhesion and exceptional aging and chemicals resistance



General product description

wedi Joint Sealant is a low V.O.C (<1%) variety component, Modified Silane MS Polymer that chemically reacts with moisture to deliver strong, flexible and tenacious bonds to variety of surfaces. Especially formulated to connect and seal wedi assemblies in their typically challenging application environment. The product forms water-tight seals on joints, seams and at installations and protrusions creating possible escape opportunities for water or water vapor (i.e. shower valve cut out in waterproof wedi wall Building Panel in shower installation) . Its flexibility allows for dissipation of stress caused by shock, vibration, or thermal movement. Particularly in comparison to traditional sealing tape and reinforcing mesh solutions applied in thinset mortar, the wedi Joint Sealant performs better in terms of water protection and stress and movement protections. Thinset mortar bonded tape applications will naturally allow water to migrate below the tape while wedi Joint Sealant seals to surfaces without the thinset mortar as an absorbing layer in between. Where assemblies are exposed to normal movement, traditional thinset bonded tape or mesh can only protect or add reinforcing strength up to the performance of the thinset mortar embedding it. If the thinset mortar fails, and they are not designed a crack isolation products, the tape will naturally fail with it. wedi Joint Sealant with its direct and tenacious adhesion, yet an elongation potential of 220% provides added protections against movement. The same formulation of product was originally formulated , and is today used to seal assemblies in US military vehicles utilized in difficult terrain and exposed to sudden shock and vibration. On this basis, wedi added specific performance attributes to benefit the wedi installation performance. However, if movement or settling exceeds what a typical tile as the surface finish can tolerate as per ANSI 118.12, which is exposure up to 1/16", no sealant or tape or even shower liner can protect. It is therefore imperative to follow structural building codes (IRC and IBC) to install tile and underlayment product only over

structurally sound and service condition acclimated (wood) and cured (concrete) substrates. Excessive movement may be tolerated initially as long as the substrate regains its original setting (no excessive permanent settling can be protected against). The wedi Joint Sealant is of high viscosity and exhibits excellent non-sag properties.

Product features

- Protects against water /water vapor migration in showers and steam showers/rooms.
- 100% mold and mildew proof .
- Stable, flexible and ready to tile surface offering tenacious bond / adhesion to thinset mortar
- One Component, User friendly and non- hazardous (near zero V.O.C.) formulation.
- Provides extremely low profile build up over seams and transitions in assembly for best tiling experience
- Forms a solid skin between 20-30 minutes which can be tiled over (once dry to touch).
- Sealed wedi shower assemblies can be flood tested only two hours after installation.
- Product is alkali resistant and aging tested for a prorated duration of 25 years without loss of original and intended performance indicators. Aging testing performed under exposed conditions while wedi Joint Sealant is well protected in its actual wedi installation.
- No limitation to use of cement based thinset mortars/grouts over the wedi Joint Sealant. Product works perfectly with epoxy based grouts/ thinsets.

Areas of application

- New Construction of Residential/Commercial use buildings
- Renovation in Residential/Commercial use buildings
- Wet areas such as showers and steam baths/rooms
- Select alternative applications in interior / exterior installations

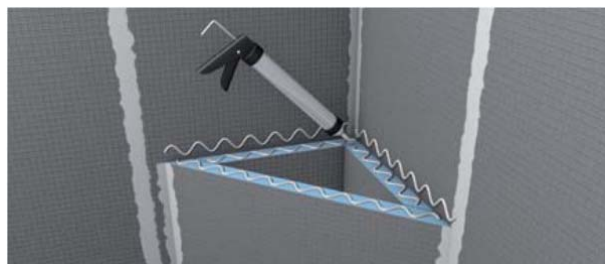
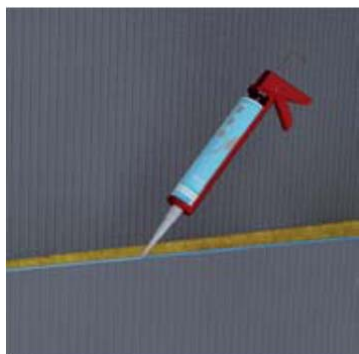
wedi Substrate Preparation and Requirements Before Installation

General Limitations / Requirements (Horizontal/Vertical Applications)

- Use only within wedi product assemblies as directed in wedi's installation manuals.
- wedi Product Systems are only used for interior installations.
- Do not use as a wear surface or without tile / stone or other suitable coverings.
- Do not use organic mastic adhesives for setting tile on wedi systems incl. surfaces covered by wedi Joint Sealant in wet areas.
- Possible dust, residues, oil, waxes, grease or other contaminants acting as possible bond breakers must be removed from wedi product surfaces prior to installation of wedi Joint Sealant.
- All installation surfaces should be dry.
- All wall surfaces and their substrate including framing must be sufficiently load-bearing, stable, plumb and square allowing for a tight assembly needed for performance of the wedi Joint Sealant between wedi assembly parts. wedi Joint Sealant is not intended to be a joint filler but is an adhesive requiring pressure when installed between parts.
- A wedi installation, including the wedi Joint Sealant, does not replace the need for Expansion and/ or

Movement joint placement within a tile installation. Please follow recommendations found in the TCNA guidelines (Detail EJ171).

- All installations shall be in conformance with IRC for residential installations and IBC for commercial installations or applicable building codes in a region including the consideration of properly designed substrates. All installations including the consideration of properly designed substrates should be in compliance with current TCNA Handbook for Ceramic, Glass and Stone Tile Installation. wedi's technical recommendations supersede all requirements of IRC, IBC, IPC or TCNA where in conflict and exceeding minimum requirements established by the above mentioned institutions.
- Please consider using appropriate setting materials and techniques when installing transparent tile
- Setting materials, when applied over waterproof wedi Building Panel, or wedi Joint Sealant, and below tile with low water absorption, must be allowed sufficient time to cure prior to grouting and/ or water exposure such as in shower installations. Consult setting material manufacturer to obtain individual cure and setting time requirements.



wedi Joint Sealant Technical Properties

wedi Joint Sealant Material Composition		Modified MS Polymer
Color		Grey
Shrinkage		None
Potential for Staining/ Corrosion		None
Tensile Strength (Thinset Mortar to wedi wedi Joint Sealant); ASTM D -638		290 PSI
Lap Shear		300 PSI
Capillarity		0
Service Temperature		-40° F - 280°F
Classification ASTM C920, Type S , Type NS Class 12		Compliant
Odor		Odorless
Hardness		50
Fungus & Bacteria Resistance , ASTM G22		No Growth; Passes
Elongation		220%
Building & Plumbing Code Compliance		
2015,2012,and 2009 International Plumbing Code (IPC)		Compliant
2015,2012, and 2009 International Residential Code (IRC)		Compliant
2015,2012, and 2009 International Building Code (IBC)		Compliant
2010 and 2005 National Plumbing Code of Canada		Compliant
2012 and 2009 Uniform Plumbing Code (UPC)		Compliant
2012 and 2009 National Standard Plumbing Code (NSPC)		Compliant
City of L.A. Approval	Approved; Report No M-100017 in reference to ICC ES PMG 1189	
North- America Approvals Code Compliances & Quality Management		ICC ES PMG 1189
USDA Approval		Accepted/ Compliant

The Product Range

wedi Joint Sealant	Specification	Unit	Item #
wedi Joint Sealant	Proprietary MS Polymer Formulation	10.5 oz cartridge	US5000013
wedi joint Sealant	Proprietary MS Polymer Formulation	20 oz. sausage	US5000010
wedi Sealant Gun	For 20 oz sausage units	1 pc	US5000019
wedi Corner Putty Knife	safe and clean working with wedi Joint Sealant	1 pc	US5000044

Scope of Delivery

The wedi Joint Sealant is delivered in 10.5 oz plastic cartridges (12 units/card board box) or 20 oz. aluminium foil sausages (20 units per cardboard box) .

Sustainability & Environmental Considerations

- The wedi Joint Sealant is a low V.O.C. product (<1%) and is Isocyanate free.
- wedi's Joint Sealant protects wet room substrates under tile & stone installations against deterioration and mold due to water exposure damages and increase the average lifetime of wet room installations such as showers and steam showers and rooms , thus conserving energy and material. The maintenance, cleanliness and added value to surfaces, air quality as well as general health of users is provided by the natural mold protection offered by the wedi product.
- Product can be disposed of with regular construction waste.

Warranty Information

Please refer to wedi's 10 year limited warranty on www.wedicorp.com.

MasterFormat™ 2004 Sections

Section 079200 Joint Sealants

Section 09305 Tile Setting Materials and Accessories

Section 10185 Shower Compartments

Section 09300 Tile

Section 07100 Damp-proofing & Waterproofing

Storage

Store cool and not exposed to weather and humid and hot environment. Limit storage temperatures to 72 F° and a maximum of 50% R.H. to enjoy a shelf life of up to 12 month in unopened units. Store in original , protective packaging.

Health & Safety information

Work appropriate work wear , gloves and safety glasses. Avoid inhaling of vapors, eye contact and swallowing. Flush with water thoroughly in case of contact with eyes, mouth or lips. Avoid repeated , prolonged contact with skin. Keep away from and out of reach of children. Please consult the wedi Material Safety Data Sheet (MSDS) "Joint Sealant" on www.wedicorp.com.

Information about finishing and application options for wedi products, technical recommendations or advice and other information provided by our employees (technical usage advice) is accurate to the best of our knowledge, but is non-binding and is given with the exclusion of any liability. It does not exempt our customers and their buyers from carrying out their own checks and trials on the suitability of the products for the intended processes and purposes.

Installation of wedi Joint Sealant

Make sure the wedi Joint Sealant is at ideal application temperature between 72°-100 °F . wedi Joint sealant cannot freeze as it contains no water. However, a warmer application temperature allows for a better gunning/ flow and tooling. Provided the wedi surfaces are clean, dry and dust free, apply wedi Joint Sealant as needed for the various wedi product and system installations. As a general rule , in order to safely seal seams and other areas in wedi assemblies please make sure to apply wedi Joint Sealant in a continuous bead and without interruptions. Applications in between wedi components must be compressed by the components to be installed. wedi Joint Sealant is not used as a joint filler.

Make sure to remove excess sealant, typically squeezing out of compressed installation joint areas, right away using a putty knife. Topical applications of wedi Joint Sealant over seams, mainly for reinforcing purposes, or over other areas such as wedi fastener locations for waterproofing, should be evenly spread flat with a putty knife. The sealant should be pressed to the surfaces for good adhesion and elimination of air pockets using the putty knife. The thickness of topical applications should never be less than 1/16 inch thick.

Please note that wedi Joint Sealant may be used for a variety of applications outside the scope of wedi product system installations. The product generally offers excellent adhesion to many metals, woods, plastics, rubbers and masonry products. Please test such applications for proper adhesion prior to installation. The wedi Joint Sealant is generally paintable and paint should be tested for adhesion and coverage prior to full application.

Removal of wedi Joint Sealant from tools

Please use Polyurethane wipes, or paint thinners. Please avoid any contact of product with textile material such as carpets or clothes. In such cases it may help to let the product cure so it can be removed mechanically. Try to remove remaining residues using citrus or vinegar based product of acidic nature.

Date: June 2015; Version 1