

Unipak[®] POLY MAX[®] Sealant all joints

- Original

WHITE

Unipak[®] POLY MAX[®] Sealant all joints

Multifunctional Sealant based on innovative hybrid SMP-Technology

Unipak Poly Max[®] Sealant All Joints is a premium quality, multifunctional sealant for sealing applications in sanitary-, interior- & exterior areas.

Suitable for waterproof sealing of joints, gaps and seams in sanitary & kitchen applications such as (synthetic) shower cabinet, walk-in showers, bathtubs, sinks, toilets, joints between the kitchen counter, tiled walls and floors. Can be applied (without primer) on almost all (even on moist) construction materials such as concrete, bricks, drywall, masonry, ceramics, glass, ceramic & enameled tiles, granite, (debarked) wood, stainless steel and many other metals and synthetics.

Also suitable for shrink-free & airtight sealing of strong moving joints and dilatation joints, seams and cracks in constructions, walls and ceilings as well for sealing connecting joints along door and window frames, windowsills, skirting boards and stairs.

Not suitable for bitumen, polyethylene (PE), polypropylene (PP), PTFE, copper-based metals (bronze, brass) and not suitable for glazing applications and aquaria.

PROPERTIES

- Permanent elastic
- Mildew resistant
- Does not shrink
- Paintable with most water-based paint systems
- Very good adhesion on many (even moist) surfaces
- Can be used outdoors due to excellent weather- & UV resistance
- Easy to process and smoothen
- Fast curing, sanitary areas can be used after 2 hours (=water resistant) and immediately resistant to (light) rain
- Non tacky
- Free of solvents, isocyanates and silicone
- (Sea) water & chemical resistant and resistant to all commonly used detergents
- No bladder formation, even in hot and humid weather
- Acid-free & not corrosive to metals
- Neutral curing system; almost odorless



CERTIFICATES & STANDARDS



EMICODE: Classification system (GEV) of emission properties for construction products in indoor areas.
EC-1 Plus (Very low emission Plus)

EN 12114

Thermal performance of buildings - Air permeability of building components and building elements: completely airtight

PREPARATION

Working Conditions: Application temperature: +5 °C to +40 °C. The optimum processing temperature for cartridge and surface is between +15 °C and +25 °C.

Surface Requirements: Surfaces must be clean, free of dust, rust and grease. Surface must be solid. The surface may be slightly moist. Use of a primer not required.

Preliminary Surface Treatment: If necessary, prevent three-sided bonding by filling the joint with a foam backer rod or PE film.

Tools: Unipak Cartridge Gun, Unipak Sealant Finisher, Unipak Sealant Finishing Tool.

APPLICATION

Coverage: Suitable for approximately 15 meters x 5 mm joint.

Packaging	Colour	Carton	Item no.	EAN no.	VVS no.	RSK no.	NRF no.	LVI no.
Cartridge 280 ml	White	12	7008057	8710439315409	271562340	4095033	1462684	3265069

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Additional product information, safety data sheets, demo videos, instructions for use, etc. can be found at: www.unipak.dk

As we constantly develop our products, we reserve the right to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any application methods mentioned herein.

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Unipak A/S | Marktoften 3C
8464 Galten | Denmark

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TECHNICAL SPECIFICATIONS

100 % modul:	0.6 MPa
Chemical base:	SMP Polymer
Chemicals resistance:	Very good
Cure rate:	2.5 mm/24h
Density approx.:	1.43 g/cm ³
Elasticity:	Very good
Elongation of rupture:	300 %
Filling capacity:	Very good
Hardness (Shore A):	38
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Mildew resistance:	Very good
Overpaintable after:	2 hours
Skinover time:	10-15 minutes
Tensile strength (N/cm ²) approx.:	150 N/cm ²
RAL colour code:	Close to RAL 9016

STORAGE CONDITIONS

Store closed cartridge in a dry place (between +5 °C - +25 °C). Shelf Life: 18 months (after production date). Limited shelf life after opening.

DIRECTIONS FOR USE

Surface must be clean, free of dust and grease. Cut open cartridge up to the thread with sharp knife. Turn the nozzle onto the cartridge. Cut the nozzle to the desired diameter (= joint width) (at least 5 mm Ø in case of joint seams). Place cartridge in the sealant gun and inject sealant evenly into the joint, crack or hole. Keep the nozzle tight onto the joint to make sure the sealant is applied into the joint. Spray Unipak Sealant Finisher onto the joint. Moisten Joint Tool and smoothen sealant within 10 - 15 minutes. Let the sealant fully cure. After approx. 15 minutes, a surface skin will form.

Airtight constructions: For large gaps, joints or seams (in e.g. partition walls) first use suitable back padding. Inject sealant into the joint and spread the sealant evenly with a (flat) brush to a seamless film of at least 1 mm thickness with a minimum width of 3 cm on both sides of the joint. The thickness must be measured (wet) with a layer thickness gauge.

Stains/residue: Remove excess sealant residues immediately with a wet cloth, remove cured sealant residues mechanically.

Advice

- Ensure a minimum joint width of 5 mm and a maximum of 25 mm. The joint depth depends on the joint width. The joint depth should always be in the correct relationship with the joint width.
- Joint - Depth calculation joints < 9 mm: Joint Depth = Joint Width.
- Joint - Depth calculation joints > 9 mm: Joint Depth = (Joint Width / 3) + 6 mm.
- Unipak Poly Max[®] Sealant cures under the influence of humidity. Contact with humidity is therefore absolutely necessary during curing.

Points of attention

- Shower can be used after 2 hours (water resistant joint). **CAUTION:** do not immediately fully load shower cabinet or bath!
- For bonding applications, use Unipak Poly Max[®] Fix & Seal.
- Can be painted with all Acrylic and most Alkyd paints.
- Given the wide variety of paints, always check paint compatibility on sealant in advance. For the best results it's recommended to paint after 2 hours.
- Take into account that curing time of Alkyd paints may take longer.
- Total UV absence can cause discoloration of the sealant. Possible discoloration does not affect the technical properties of the sealant.
- Due to the variety of substrates (e.g. metals, plastics, etc.), it is recommended to carry out a material compatibility- and adhesion test in case of doubt.