

MonoSealant

Description and application

MonoSealant is a durable and professional adhesive sealant with unique adhesion properties on EPDM material, that is based on MS-Polymer technology and moisture-cures into a durable rubber that retains its elasticity.

- Specially designed for adhesion and/or sealing of EPDM, roof, façade, floor and pond structures.
- Sealing of connecting joints in the construction industry.
- Adhesion of building materials, such as plastics, mineral/coarse & rough surfaces, metals, alloys, treated and untreated wood, concrete and coating, lacquer and paint systems.
- Repair adhesive for old MS-Polymer connecting joints and adhesion of materials to one another.

Article number and packaging

14030-290 290 ml cartridge

Properties

- Adheres perfectly to EPDM and most surfaces, even moist & damp surfaces without a primer
- Very durable with retained high elongation properties
- Wet-on-wet application
- Non-shrink and blister-free
- Almost odourless curing MS-Polymer system
- Good resistance to UV, weather, water, moisture and ageing
- Non-corrosive to metals
- Free of isocyanate, solvents and silicone
- Paintable with water-based and synthetic paint systems
- Versatile applications as adhesive and/or sealant, for internal and external use
- Excellent absorption of acoustic and mechanical vibrations
- No edge contamination or staining on natural stone

Modulus at 100%	0,30 MPa
Elongation	300% (DIN 53504)
Tensile strength	0,75 MPa (DIN 53504)
Shore hardness	A18 (DIN 53505)

Properties liquid product

Colour	Black
Base	MS Polymer
Viscosity	< 2 mm ISO 7390
Density	1,48 kg/l mixed product
Skin formation time	15 minutes at 23 °C/55% RH
Shrinkage	None
Permissible deformation	25 °C
Temperature resistant once fully cured	-40 to +90 °C

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.

Shelf life	Storage temperature +15 – +25 °C. At least 12 months after the date of production, if stored dry in unopened packaging.
Cleaning agent	Roca Cleaner R5518 (equipment)

Notes during application

Application temperature (ambience and surface) between +5 °C and +40 °C. Apply on stable, compatible, dry, uncontaminated, grease-free and dust-free surface. Ensure correct joint dimensions are achieved and fill with MonoSealant for maximum movement performance. Use a suitable brush to remove any loose particles from the surface. Properly degrease greasy surface.

MonoSealant has a broad adhesion spectrum, but highly porous surfaces and non-porous surfaces with minimal bonding should be treated with a suitable primer.

Surface and circumstances

Moisture content surface	
• cement-bound	: < 4% CM (parts by weights)
• plaster-bound	: < 0,5% CM (parts by weights)

Paintability

MonoSealant is excellently paintable with emulsion paints. However, synthetic paints may dry slowly.

Cleaning

Remove fresh/uncured material from surfaces and tools using Roca Cleaner R5518. Cured material must be removed mechanically.

Limitations & recommendations

Not suitable for continuous water loads or dilation or glazing joints. Not suitable for applications in direct contact with natural stone, foodstuffs or the silver coating on mirrors. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic and neoprene. The adhesion on bitumen is limited to breakage in the surface. Not fungicidal. Ensure adequate humidity in the immediate environment. We recommend testing adhesion and material compatibility in advance.

Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

Important

Projects and applications can vary greatly. Always contact your supplier if you have doubts about a certain application, choice of material or surface treatment.



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Liquid synthetic materials for a sustainable future

MonoSealant

All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, surfaces and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given. Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

All orders are accepted under the current sales and delivery conditions. Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned.

Copies of the most recent editions are provided upon request and are available at www.prokol.com.

The publication of this product information sheet makes all previous product information sheets for this product invalid.

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