

# ATAL MONOSEALANT TECHNICAL DATASHEET

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Structural Waterproofing Systems

## MonoSealant

### Description

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.

### Application

- 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.

### Properties

- Adheres perfectly to EPDM and most surfaces, even moist & damp surfaces without primer.
- Very durable with retained high elongation properties.
- Wet-on-wet application.
- Non-shrink and blister-free.
- Virtually 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.

**Shore hardness** - A 18 DIN 53505

**Modulus at 100%** - 0.30 MPa DIN 53504

**Tensile strength** - 0.75 MPa DIN 53504

**Elongation** - 300 % DIN 53504

### Liquid product properties

**Color** - Black

**Base** - MS Polymer

**Viscosity** - <2 mm ISO 7390

**Density** - 1,48 g/ml

**Skin formation time** - 15 min @23°C/55% RH

**Shrinkage** - None

**Permissible deformation** - 25%

**Temperature resistance once fully cured** - -40°C till +90°C

**Shelf life** - In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 12 months after the production date.

### Application information

Application temperature (ambient and surface) between +5°C and +40°C. Apply on stable, compatible, dry, uncontaminated, grease-free and dust-free surfaces. 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 surfaces using.

MonoSealant has a broad bonding spectrum, but highly porous surfaces should be pre-treated with MonoPrime RW and non-porous surfaces with minimal bonding should be treated with MonoPrime U-RW.

### 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 substrate. 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 uses can vary greatly. Always contact your supplier if in doubt about a certain use, choice of material or surface treatment.

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, substrates 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.

Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned. A copy of these sheets will be provided on request and is also available from [www.prokol.nl](http://www.prokol.nl).

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