# RAPID POLYMERIC SEALANT

Technical Data Sheet

## Technical data

| BASIS | RAPID POLYMERIC SEALANT |
|---|---|
| CONSISTENCY | STABLE PASTE |
| CURING SYSTEM | MOISTURE CURING |
| SKIN FORMATION* (23°C/50% R.H.) | CA. 15 MIN |
| CURING SPEED * (23°C/50% R.H.) | 4 MM/24H → 3 MM/24H |
| HARDNESS** | CA. 90 ± 5 SHORE A |
| DENSITY | 1,72 G/ML |
| VISCOSITY | CA. 800 CP |
| ELASTIC RECOVERY (ISO 7389)** | > 75 % |
| MAXIMUM ALLOWED DISTORTION | ± 20 % |
| SHEAR STRENGTH** | 2,75 N/MM$^2$ (MEASURED ON ALMGSI, 2MM THICKNESS,25X25, 10MM/MIN) |
| TEMPERATURE RESISTANCE** | -40 °C → 90 °C |
| APPLICATION TEMPERATURE | 5 °C → 35 °C |

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

## Product description

RAPID POLYMERIC SEALANT is a high quality, neutral, elastic, 1-component, low viscosity, construction joint and adhesive sealant based on MS-Polymer.

## Properties

- Fast curing
- Good applicability and toolability
- Fungis resistant connection
- Resistant to high-pressure cleaning
- Permanently elastic after curing
- Good weather and UV resistance
- Good adhesion on all surfaces (except PE,PP and PTFE).
- Excellent resistance to many chemicals
- Free of solvents and isocyanate
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Can be painted with all water based paintsand many other systems (to be tested)
- In compliance with FDA CFR 21 177.2600(extracts in distilled water)

## Applications

- Elastic bonding between surfaces (chemical welding in structural bonding applications where a tough and rigid bond is required.
- Food industry, consumer goods, logistics & distribution, Cleanroom & healthcare, etc...

## Packaging Color


**Packaging:** 600 ml foil bag

## Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

## Substrates

Substrates ....ABS, metals, aluminum, plastics, suitable for different porous and non- porous substrates like FRP, sandwich panels, wood, MDF, chipboard, concrete, stone, metal, plastics, PU foam, polystyrene foam, mineral wool and other conventional materials in construction.
Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper containing materials such as bronze and brass. We recommend a preliminary adhesion test on any substrate.
Nature: rigid, clean, dry, free of dust and grease.

## Application method

**Application method:** With manual- or pneumatic 600cc caulking gun.

**Cleaning:** Clean with Cleaner or Hygi Swipes immediately after use

**Finishing:** With a soapy solution.

**Repair:** With the same material.

## Health- and safety recommendations

Take the usual labour hygiene into account. Use only in well-ventilated areas. Consult the packaging label for moreinformation.

## Remarks

- RAPID POLYMERIC SEALANT maybe overpainted with water-based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibilitytest before application.
- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend doing a compatibility test before application).
- Remove all traces of soap (tooling) because it will harm the adhesion of the paint onto the sealant.

## Standards and certificates

- In compliance with FDA CFR 21 177.2600 (extracts in distilled water)

## Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.