



Roka Seal PU

A single component Polyurethane based elastic moisture curing sealant

Roka Seal PU is a single component, polyurethane based, multipurpose, elastomeric sealant designed for sealing expansion and construction joints, sealing of connecting joints between wall and windows, sealing of window and door joints etc.

Uses & Advantages:

- Excellent adhesion to materials like aluminum, most lacquered metals, PVC, concrete, terra cotta, ceramic tiles, stone etc.
- Can fill joints up to 50mm width.
- Easy to clean as dirt and grime cannot penetrate its surface.
- The material comes ready to use and is a problem-free and time-saving solution.
- Highly flexible and sag resistance paste.
- Suitable for both horizontal and vertical applications.
- For both external and internal applications.
- Over paintable with water, solvent based paints

Areas of Application:

- Expansion and connection joints on concrete and precast cellular concrete panels.
- Sealing facades, metal constructions, windows and door connections.



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- Building construction joints.

Technical Data

Appearance	Pasty
Color	Gray / Black
Density	1.26g/cm ³ at 20 °C
Application Temperature	5 to 35°C
Service Temperature	-35 to 80 °C
Tack Free Time	120 minutes at 25°C & 50% Relative Humidity
Cure Time	3mm/24 hours at 25°C
Elongation at Break	>600%
Elastic Recovery	85%
Tensile Strength	<0.4 N/mm ²
Movement	25 - 50% of joint width
UV Resistance	Good
Resistance to Dilute Acid and Base	Good
Resistance to Petrol, Diesel, Kerosene Oil	Good
Water and Salt Spray Resistance	Excellent
Shore Hardness	25



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Compatibility with Water Based Paints	Yes
Compatibility with Solvent Based Paints	Carry Out Test
Packaging	600ml cartridges
Shelf Life	12 months
Storage Conditions	Keep in a dry cool place in the original packaging

Surface Preparation:

Proper joint preparation is crucial for achieving a satisfactory seal. For concrete, stone, or masonry surfaces, remove all dust, laitance, mold release oil, old sealant, and other contaminants using sandblasting or mechanical abrasion. Afterward, blow out the joints with dry, oil-free compressed air. For glass, metal, and other non-porous surfaces, clean off any coatings, oils, and grease with an appropriate solvent, such as Roka Thinner or MEK. Be sure the chosen solvent is compatible with the substrate before use

Priming:

Roka Seal PU has good adhesive properties and generally use of any primer coat is not required. However, it is recommended to do a preliminary check to ensure adhesion to the substrate.

If a much stronger bond is required, Roka Primer EP 1 should be used as a primer to ensure better results. In addition, the use of a primer prevents bubbles formation which may be caused by excess moisture, excessive heat and thermal movement during and after the application of sealant.



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Apply a thin layer of the primer using a brush and let the primer dry for at least 30 minutes before applying Roka Seal PU.

Application:

Using a masking tape, protect the surrounding area. Load the mixed material directly into a bulk or caulking gun. Apply the sealant directly into the joint maintaining consistent pressure to force sealant into the joint without any air entrapment. Smoothed the area using a spatula to form slightly concave profile. Remove the masking tape and finish off the applied area with a detergent solution.

Cleaning:

Clean all the tools and equipment using Roka Thinner or MEK immediately after use. Hardened material can only be removed mechanically.

Packaging:

Supplied in 600ml sausages.

Storage:

The airtight cartridges should be kept between temperatures of 5°C to +25°C.

Shelf Life:

12 months if kept in original, sealed packaging and between 5°C to +25°C of temperature.



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Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



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