



Roka Flex Band

High Performance Cracks and Joints Sealing System

Roka Flex Band is a high resistant and high resilient cracks and joints sealing system for expansion and connection joints. Roka Flex Band allows high irregular movements in more than one direction, whilst maintain a high-quality seal.

Uses & Advantages:

- Easy to install.
- Extremely flexible.
- Fast curing.
- Excellent adhesion to many chemicals.
- Suitable for both wet and dry concrete surfaces.
- Good resistance to many chemicals.
- Weather and water resistant.

Fields of Application:

- Used as a waterproofing solution for roofs.
- Provides protection for building foundations.
- Applied to coat seawater channels.



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- Shields concrete surfaces from carbonation and chloride damage.
- Seals and coats tie bar holes to ensure water resistance.
- Waterproofs and protects against exposure to brackish water.
- Serves as a backing layer for marble and granite to prevent water penetration and avoid surface staining.
- Utilized in reservoirs, tunnels, swimming pools, and similar structures.
- Suitable for dams, harbors, canals, and retaining walls.

Technical Information:

Color	Grey Color Hypalon Tape
Dew Point	Avoid condensation
Service Temperature	Minimum: -30°C Maximum: +40°C
Substrate Temperature	10°C to 30°C
Substrate Moisture	Matt dry
Ambient Temperature	10°C to 30°C
Relative Humidity	Maximum 85%
Chemical Resistance	Long Term Resistance to: Water, Lime Water, Cement Water, Salt Solutions, Bitumen, Bitumen Emulsion Coatings etc.



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	Temporary Resistance to: Mineral Acids, Methanol, Ethanol, Diluted Alkalis, Light Fuel Oil, Diesel, Petrol etc.
Tear Off Strength (Roka Flex Band Glued with Roka Epoxy Mortar 550)	Elongation: >400% Strength: >4 N/mm ²
Bond Strength (Roka Flex Band Glued with Roka Epoxy Mortar 550)	Concrete (Dry): > 2 N/mm ² (failure in concrete) Concrete (Damp): > 2 N/mm ² (failure in concrete)
Peel Strength (Roka Flex Band Glued with Roka Epoxy Mortar 550)	Elongation: >400% Strength: >7 N/mm ²
Shelf life	12 months
Storage	Store in a dry, no-frost & away from direct sunlight.

Substrate Quality:

Substrate	Substrate Quality
Concrete	Must be sound, clean and free from any contaminants like oil, grease, laitance etc. Depending on the environmental conditions, age of concrete must be at least 3 to 6 weeks.
Construction Steel 37, V2A Steel	Clean, free from rust, scale, oil and grease



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Epoxy, Polyester, Ceramics Glass

Clean, free from oil and grease

Substrate Preparation:

Substrate	Preparation
Concrete	Grinding, blast cleaning or equivalent mechanical means, followed by vacuum cleaning.
Construction Steel 37	Blast cleaning or equivalent mechanical means, followed by vacuum cleaning.
V2A Steel	Light grinding followed by thorough vacuum cleaning.
Epoxy, Polyester, Ceramics, Glass	Light roughening followed by thorough vacuum cleaning.

System Structure:

1. Roka Flex Band - a flexible Hypalon tape.
2. Roka Epoxy Mortar 550 - an epoxy adhesive paste.



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Consumption:

The consumption of the adhesive depends on the surface and environmental conditions.

Estimated coverage is given in the table below.

Strip Width (mm)	Strip Thickness (mm)	Adhesive Consumption (kg/RMT)
100	1	~ 0.7
150	1	~ 1.0
200	1	~ 1.2
100	2	~ 0.8
150	2	~ 1.1
200	2	~ 1.4

General Guidelines for Application:

- The final texture of the substrate must be open-textured and gripping. Use appropriate methods depending on the substrate to ensure proper adhesion and application.
- Clean the surface to ensure all the dirt and contaminants have been removed.
- Weld Roka Flex Band tape connections and overlaps.
- Mix the components of Roka Epoxy Mortar 550 and apply on the sides of the joint or crack by brush, trowel or spatula.
- Firmly press Roka Flex Band tape into the adhesive using a roller.
- Apply adhesive on the top of Roka Flex Band.



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Limitations:

- Positive and negative pressure may cause the exposed section of Roka Flex Band to stretch, thereby reducing its movement capability.
- If subjected to mechanical damage, the exposed section of the tape may tear, resulting in reduced movement capability and loss of water tightness.
- Roka Flex Band cannot be connected to Polyolefin, Polyvinylchloride, or Hypalon based membranes by hot air welding.
- Treating Roka Flex Band with a solvent prior to joining will not improve either the welding or adhesion properties.

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.



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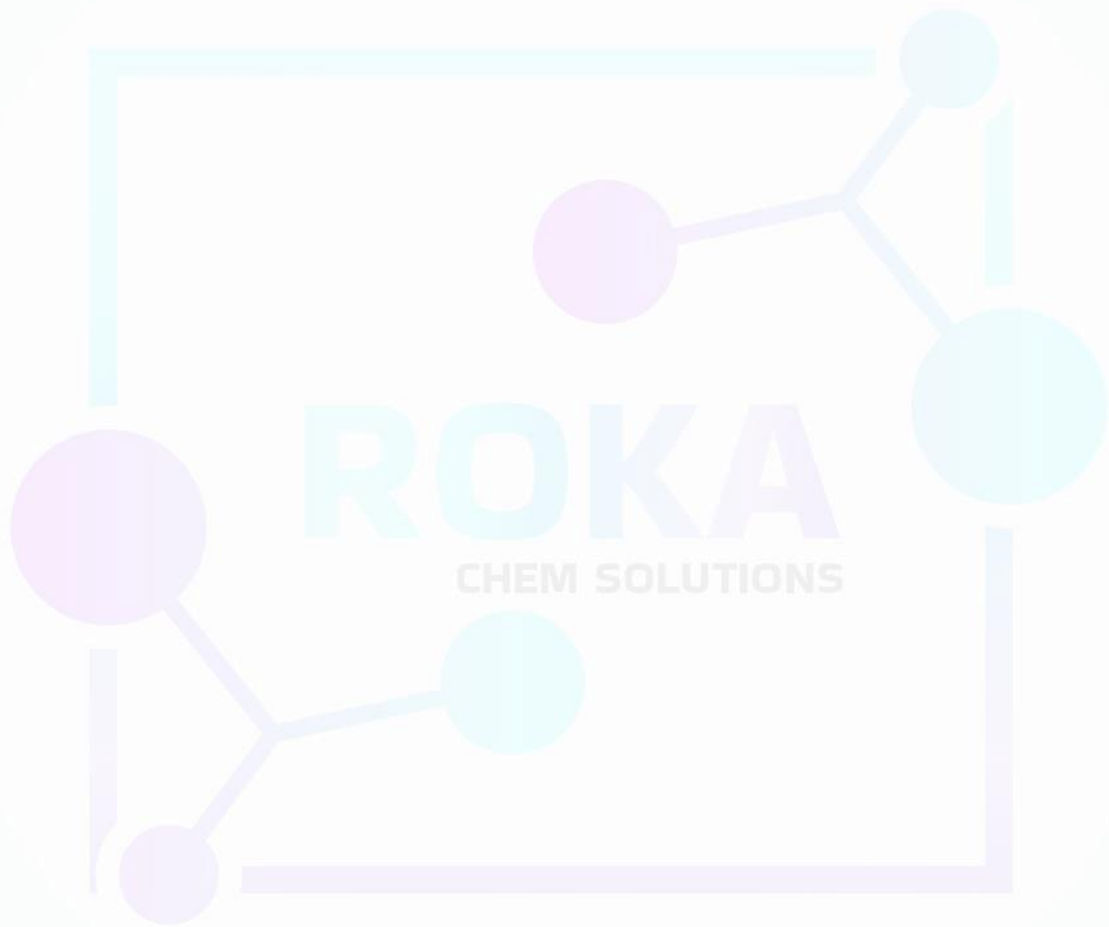


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All products are sold under our standard conditions of sale, which are available upon request.

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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