

REC JOINT TAPE

ELASTIC SEALING TAPE FOR WATERPROOFING JOINTS AND IRREGULAR CRACKS

DESCRIPTION

REC JOINT TAPE is a thermoplastic tape for sealing irregular cracks, expansion and dilatation joints. **REC JOINT TAPE** is UV resistant, highly elastic and can withstand extreme movements. The Joint Tape System consists of the **REC JOINT TAPE** and **REC DUR 100**, (a 2-component epoxy based, thixotropic high-performance adhesive), which are applied as a system.

KEY FEATURES

- UV resistant.
- Permanently elastic, even at low temperatures.
- Good adhesion to concrete, mortar, steel and many other building materials.
- Resistant to puncturing and tearing, easy to repair.
- Easy application of adhesive and tape.
- Easy to cut, weld (hot air) and join.
- Resistant to constant exposure to water & weather.

PRIMARY APPLICATION

- Waterproofing horizontal and vertical dilatation joints.
- Bridge Joints.
- Waterproofing wide and irregular cracks Connection joints of slabs and walls.
- Terraces and balconies Facades.
- Wet rooms.
- Foundations and curtain walls concrete pipes.
- Water basins Swimming Pools Dilatation Joints Tunnels.
- Park houses
- Power plants.
- Wastewater tanks, waste water treatment plants.
- Suitable substrates are concrete, mortar, wood, metal, steel, aluminium, glass fiber reinforced plastics, epoxy mortar, natural and artificial stone, and many other building materials.

TECHNICAL DATA

Color	Grey
Width	150mm, 200mm, 250mm
Elongation at break (EN ISO 527-3)	> 400 %
Tear growth resistance (EN 12310-2)	> 600 N / cm
Longitudinal Tensile Strength (EN ISO 527-3)	> 9 Mpa
Crosswise Tensile Strength (EN ISO 527-3)	> 6 Mpa
Resistance to Temperature	- 30 °C to +80 °C
Shore A Hardness (ISO 868)	80
Resistance to Bitumen (DIN 16726)	Resistant
Peel off strength	> 20 N / 10 mm
Water Pressure Resistance (EN 1928)	> 8.0 bar
Resistance to UV radiation (SIA V280/10)	> 7500 hours

DIRECTIONS FOR USE

a. SURFACE PREPARATION

Surfaces must be clean, dry, sound, and solid. On damp surfaces the pull off strength should be tested. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, wax, formwork release agents, and similar contaminants must be removed prior to application.

Concrete surfaces: If necessary, the substrate has to be sanded, ground, or shot blasted to guarantee an optimal adhesion of **REC DUR 100**.

Metal surfaces: It must be cleaned to SA 2 ½ standard.

b. MIXING

Please refer to the **REC DUR 100** technical guideline.

c. APPLICATION

REC JOINT TAPE can be welded with a hot air welding machine set to + 270 °C. The maximum temperature allowed for welding is + 300 °C. Welding of the tape should be carried out prior to the application. Before welding the tape, roughen the seam area with a wire brush or a scotch Brite. To weld the tape, place it on a level substrate and heat the overlapping ends with a hot air gun. Press the ends of the tape together firmly using the Rubber Hand Roller. In this way lengths greater than 20 m (the length of 1 roll) can easily be made on site. **REC DUR 100** is applied to the prepared substrate on both sides of the joint so that both sides of the **REC JOINT TAPE** are embedded into the adhesive at least 40 mm. The layer thickness of the **REC DUR 100** should be approx. 1 - 2 mm. **REC JOINT TAPE** is then immediately embedded into the fresh adhesive and pressed into the adhesive using a hand roller or a similar suited tool. Make sure that the tape has complete contact to the adhesive. A second layer of **REC DUR 100** is then applied on top of the **REC JOINT TAPE** so that the edges of the **REC JOINT TAPE** are over-coated at least 40 mm. Also apply **REC DUR 100** so that it covers the substrate next to the tape at least 20 mm.

d. CLEANING OF TOOLS

Fresh epoxy adhesive can be removed with REC Cleaner. Cured material must be mechanically removed.

e. PRECAUTIONS OF APPLICATION

- Do not apply below + 5 °C.
- Do not apply the system on wet or frozen surfaces.
- Do not apply the system on sanding or weak surfaces. If in doubt, test the pull off strength.
- Cold temperatures prolong and warm temperatures shorten the pot life and curing time of the epoxy adhesive.
- High levels of humidity may prevent proper curing of the epoxy adhesive.
- In areas which are stressed by traffic, the system should be mechanically protected from damage with protective metal plates.
- Please consult technical department of Reckon Chemicals Pvt. LTD Lahore for any further advice or assistance.

CONSUMPTION

Approximately 1.5 kg of **REC DUR 100** per meter **REC JOINT TAPE**.

NOTE: As this waterproofing system consists of:

A. **REC JOINT TAPE** used to bridge and seal the joint or crack.

B. **REC DUR 100** used to bond the tape to the prepared substrate.

The performance of the complete waterproofing system depends on the compatibility, surface preparation, adhesive application and installation of both components.

PACKAGING

REC JOINT TAPE is supplied in rolls of different sizes (150mm, 200mm, 250mm wide and 10 & 20-meter long).

STORAGE

REC JOINT TAPE can be stored for 12 months in originally sealed packages in it is stored in a cool and dry place.

SAFETY PRECAUTIONS

Avoid contact with eyes and prolonged contact with skin. Avoid inhalation of dust during mixing. Always wear suitable protective gloves, eye protection and protective clothing. Use appropriate respiratory protection where dust generation cannot be adequately controlled. Do not eat, drink or smoke while handling the product. Wash hands thoroughly after use. In case of contact with eyes or skin, rinse immediately with plenty of clean water. If accidentally swallowed or if adverse symptoms occur, seek medical attention immediately.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

The technical data presented in this Technical Data Sheet represent the supplied typical product data. Actual performance may vary depending on temperature, moisture availability, substrate condition, crack dimensions and application conditions. The applicator is responsible for determining the suitability of the product for the intended application and for following appropriate application procedures. This Data Sheet version is the latest one. The company may modify it without any prior notice. For more information, please contact the company's head office located in Lahore.

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