

Dr.Fixit Profix RCA

Rubber to Cement Adhesive Epoxy

Description

Dr Fixit Profix RCA is a two-components epoxy adhesive with resin part and hardener part. It is especially designed for strong bonding between of rubber to concrete. Adhesion on concrete is excellent for both natural and synthetic rubber. And pot life is extended to better facilitate field installation.

Area of Application

- Installation of rubber pad to concrete support bearing, concrete corbel and pile caps on bridges, elevated highways, rail ways.
- Installation of Rubber Fender barrier to concrete barrier.
- Adhesive for various rubber sheets both natural rubber and synthetic rubber.
- Adhesives for various types of natural stone such as marble, granite, as well as clay tiles, artificial stones, and ceramic tiles, Mosaic, gypsum board, wood, plywood, cement, etc.

Rate of Uses (Depends on concrete condition)

* General estimated consumption, actual consumption depends on type of concrete and porosity.

Litre/m ²			m ² /kg	m ² /set (4.5 kg.)
Standard	Minimum	At most	Standard	Standard
0.25	0.20	0.30	4	18

Method of Preparation

- Concrete surfaces must be clean, free from dirt dust, grease, curing oil, de-molding compound.
- Surface is to be level with wood float finished or as specified. Surface is to be free from water ponding.
- Mix part A with part B as supplied from the manufacturer. Stir well for 2 to 5 minutes.
- Pour the mixture into the paint tray. Then dip it with a short hair paint roller. Lightly apply on concrete surface.
- Install rubber piece to concrete and let cure (approximately 1-2 hours).

Tools Cleaning

- Tools and equipment can be clean with kerosene.

Precautions & Limitations

- Profix RCA should be used within 30 minutes after mixed parts A and B, Profix RCA will begin to harden within 60 minutes, depending on the weather conditions.
- For excellent adhesion, it should be left after installation for at least 72 hours.

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Technical Information

Description	Standard/Test Method	Test Result
1. Appearance	ASTM D1544-04(2018)	Light Yellow
2. Shear Strength between natural rubber and concrete	ASTM D4541-17	$\geq 20 \text{ kg/cm}^2$
3. Specific Gravity	ASTM D1475-98	1-1.10 g/ml
4. Tensile strength	ASTM D412	$\geq 30 \text{ MPa (N/mm}^2\text{)}$
5. Elongation	ASTM D412	$> 7\%$
6. Setting time	TIS.285 Part 10	3-4 hr.
7. Adhesion strength to concrete (Pull-off)	ASTM D4541-17	$\geq 3 \text{ MPa (N/mm}^2\text{)}$

Drying and Curing time

Surface Temperature	10°C	25°C	30°C	40°C
Pot life ,min.	90	50	30	15
Setting time ,hr.	6	4	3	2

Pack Size

- 4.5 Kg Set comprises of 3 kg part A and 1.5 kg part B.

Shelf Life & Storage

- 1 year in sealed container kept under shaded and dry area.

Health & Safety Precaution

- Wear gloves and goggles while working if you allergic to solvents or resins.
- Skin contact Rinse off with kerosene or thinner, Wash contaminated areas thoroughly with soap and water.

Disclaimer

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