

Rhino[™] Crackseal- Powder High Strength Crack Filler for Surface Cracks in Internal and External Surfaces

● **Description**

It is a cement based polymer modified powder material for filling cracks in concrete plastered surface. It is composed of cement, properly selected aggregates, polymer & additives which requires on site addition of water only. It is ideal to fill 3 to 5 mm wider static cracks. Cracks filled with Rhino Crackseal-Powder enhances the subsequent paintings quality and life.

● **Features / Advantages**

- Strong adhesion on wood, pipe lagging common building substrate.
- It requires only onsite addition of water.
- Eco- friendly, without solvent thus no emission of vapours.
- It is used for filling the undulated surface before painting or coating.
- It reduces paint & coating consumption and increases the life.
- It is economical
- Fill the static cracks of 3 to 5 mm sizes
- It is polymer modified properties which gives long lasting permanent crack sealing

● **Typical application**

- Horizontal or vertical areas of buildings & structures.
- To level the undulation of the unplastered or plastered ceilings and walls before painting.
- To provide smooth finish to brick, stone, and wood works.
- As an excellent sculpting material.

● **Technical Information**

Property	Results
Appearance	Spread easily with good notchability
Spreadability	White
Mixing ratio For surface levelling	2 parts Powder & 1 part water by weight
For crack filling	2.5 parts powder and 1 part water by volume
Bulk Density	1.30 to 1.60
Application Life @25°C, minutes	> 25
Setting time@25°C	2 hrs 45 minutes
Paint ability	Paintable
Adhesion	Excellent adhesion to Most Building material.

Methods of Application

Surface Preparation

- Clean loose particles, dirt, grease, and traces of foreign materials from the surface, if necessary, by using wire brush/sandpaper or by chipping.
- Cracks must be cut in V shape groove with mechanical grinders.
- Wash the surface with water and surface must be SSD condition before application

Priming

In normal conditions Rhino Crackseal-Powder does not require a primer.

However in critical areas water Mahacrete Uniprime can be used depending on the severity of surface and application.

Rhino[™] Crackseal- Powder

High Strength Crack Filler for Surface

Cracks in Internal and External Surfaces

Mixing

Mixing ratio of Rhino Crackseal-Powder to water varies with respect to area of application.

For surface leveling - the ratio is 2 parts of powder to 1 part of water which will yield to smooth buttery consistency.

For filling deep holes and cracks - reduce the water quantity to get a thicker pasty consistency.

In a shallow pan or bucket made of metal / plastic a portion of mixing water to be added. Start addition of Rhino Crackseal-Powder gradually under continuous mixing till a homogeneous lump free mix is obtained after addition of balance quantity of water.

For smaller mixes wooden or metal spatula can be used and mixed manually. For larger mixes Hobart or PAN mixer is suggested. Hand drill mixer with paddle stirrer can also be used at 250 – 300 rpm. The total mixing time shall not be more than 5 minutes.

The final mixed product would be of dough consistency paste. In case further soft consistency is required, measured quantity of water can be used.

Application

For crack filling – Fill the mixed paste into the crack by spatula or putty knife blade. Fill excess material and tool it by putty knife blade pressing against crack so that air voids get filled. By wet finger tool the surface of material in to a concave nature by pressing against joint edges

For Surface leveling – The mixed smooth paste should be applied by painter blade on the dampened wall or ceiling. The material should be applied at the desired thickness in bottom- to -up fashion to avoid blade marks. For multiple coat applications the previous coat should be allowed to cure for minimum 6 hrs. The subsequent coat should be at the right angle to the previous coat.

Usage Precautions

- Rhino Crackseal-Powder is for static joint filling only.
- It does not accommodate any movements and thus it is not suitable for dynamic cracks.
- For outside use the Rhino Crackseal Powder must be coated over with exterior paint to prevent water penetration



Packing

1 kg & 5 Kgs



Consumption

1 kg powder with 500 ml water will fill a crack of 5 mm width by 5 mm depth up to approx. 38 linear meter.

The coverage figures given are theoretical - due to wastage factors and variety of substrates, practical coverage may vary.



Cleaning of Tools & Equipments

Before the material sets clean the tools, equipment's & hands with soap or plain water. Cured material can be removed by vigorous scrubbing using sand paper or scrapper.



Storage and Shelf life

- Store in cool, dry, and well-ventilated place away from heat source or direct sunlight.
- Keep away from water and damp area.
- Shelf life is 12 months.

Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately. Do not induce vomiting.

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Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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