

Technical Data Sheet

HR CRACKFILER

Cracks & Joints Sealer



Product Description

HR CrackFiler is a high-performance flexible sealant designed for sealing cracks, joints, and gaps in concrete, masonry, and cementitious surfaces. It forms a durable, waterproof, and weather-resistant seal that accommodates structural movement and prevents water ingress, protecting surfaces from damage and deterioration.

Applications

- Sealing cracks in walls, floors, slabs, and pavements
- Expansion and construction joint sealing
- Repair of minor concrete cracks before waterproofing
- Protection of basements, terraces, balconies, and roof slabs
- Pre-treatment of joints prior to coatings or membranes

Key Features & Benefits

- Sealing cracks in walls, floors, slabs, and pavements
- Expansion and construction joint sealing
- Repair of minor concrete cracks before waterproofing
- Protection of basements, terraces, balconies, and roof slabs
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Technical Properties

Property	Typical Value
Appearance	Grey / White Paste
Base	Polymer-modified cementitious / elastomeric
Elongation at Break	≥ 200%
Shore Hardness	20 – 25 (approx.)
Skin Time	20 – 30 minutes
Curing Time	24 – 48 hours (depending on temperature)
Application Temperature	+5°C to +40°C
Coverage	1 kg per 5–6 linear meters of 5 mm crack depth



Method of Application

1. Clean the surface: Remove dust, loose particles, grease, oil, or old sealant.
2. For cracks wider than 5 mm, use a backer rod to control depth.
3. Apply HR CrackFiler using a caulking gun, spatula, or trowel.
4. Smooth and shape the surface to match the substrate.
5. Allow to cure for 24–48 hours before applying any coating or finishing layer.

Surface Preparation

- Ensure the substrate is sound, clean, and dry.
- Remove any loose concrete, dust, or laitance from cracks.
- For larger joints or structural cracks, ensure proper reinforcement with HR CrackFiler and backer rod.

Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and frost
- Keep container tightly sealed
- Shelf Life: 12 months in unopened original packaging

Health & Safety

- Avoid prolonged skin contact and eye contact
- Use gloves and protective goggles during application
- Wash hands with water after use
- Refer to MSDS for detailed safety instructions

Limitations

- Not suitable for continuous immersion without protection
- Do not apply on wet or frozen surfaces
- Performance may vary on extremely wide or heavily moving cracks without reinforcement

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory tests and field experience. Actual performance may vary depending on site conditions and application methods. The manufacturer shall not be responsible for improper use of the product.

