

Crocodile Flexible Joint Mortar



Special formulated mortar for filling precast wall joints and repairing concrete walls

Crocodile Flexible Joint Mortar is a specially formulated mortar offering high adhesion and excellent flexibility, allowing effective movement without cracking. It features low shrinkage, which helps reduce the risk of cracking after curing. The mortar provides excellent vibration resistance and does not release oil stains that may affect surface appearance. It is easy to use by simply mixing with water and does not sag during application. The product is suitable for joints and cracks subject to movement or vibration, such as precast wall joint filling and crack repair in concrete walls, high-rise buildings, or structures with movement.

Product Features

- Fill precast wall joints and repair concrete wall cracks
- High adhesion and excellent flexibility
- Resilience enables
- No oil stains
- Low shrinkage, reducing the risk of cracking after curing

Color : Grey

Application Instruction

Substrate Preparation

1. The substrate must be in good condition. Any incomplete concrete, dirt, oil, and loose materials must be removed.
2. Clean the surface before applying Crocodile Flexible Joint Mortar.
3. In case of walls with high water absorption or exposed to excessive heat, dampen the surface slightly with water before application to reduce cracking caused by the substrate absorbing water from the product.

Application

1. In case of small joints, groove the joint to a minimum size of 1 cm width × 1 cm depth.
2. In case of joints with a large size and depth greater than 2 cm, fill with Crocodile Backing Rod before applying the mortar.



3. Using a putty trowel, apply the mixed material into the joint, ensuring it is completely filled, and level the surface evenly.
4. Press the product firmly into the joint, then finish the surface by wiping with a damp sponge to achieve a smooth finish. The joint must be flush with the wall.
5. Allow to cure completely for at least 7 days before proceeding to the next steps.

Mixing Ratio

Crocodile Flexible Joint Mortar : Water = 1 bag (20 kg) : 4.4 L (22%)

Technical Data

(Test Method)	(Standard)	(Evaluation Results)
Pot life	In house	20 minutes
Linear Shrinkage - 28 days	BS EN12617-4	$\leq 3.0\%$
Crack bridging, thickness 3 mm - 28 days	BS EN14891-2017	$\geq 1.5 \text{ mm}$
Water proof by Karsten Tube - 30 minutes - 1 hour - 2 hours - 1 day	In house	$\leq 0.2 \text{ ml.}$ $\leq 0.2 \text{ ml.}$ $\leq 0.2 \text{ ml.}$ $\leq 0.2 \text{ ml.}$
Tensile Strength at break - 28 Days	ASTM D412	$\geq 4 \text{ N/mm}^2$
Elongation at break, thickness 3 mm - 28 Days	ASTM D412	$\geq 5\%$
Tensile Pull-off Slab - 28 days	EN 1542	$\geq 1.5 \text{ N/mm}^2$
Flexural Strength - 28 days	ISO 13007-4	$\geq 3 \text{ N/mm}^2$
Compressive Strength - 28 days	ISO 13007-4	$\geq 4 \text{ N/mm}^2$
Bond Strength by Slant Shear - 28 days	ASTM C882	$\geq 2.0 \text{ N/mm}^2$

Remark: The above evaluations are from the laboratory; actual installation might provide different results according to the condition of workplaces.



Mixing

1. Prepare a mixing container and measure clean water according to the specified ratio above.
2. Mix the prepared components with a drill until the product is well blended into a uniform consistency.
3. Do not add water or any additives after mixing is complete.

Recommended Tools

Paddle mixer, Putty trowel, Wall cutter, Sponge

Recommendation

- Do not add more water than the recommended amount, as excess water will reduce mechanical properties, such as compressive strength and flexural strength.
- Once water has been added and mixing has begun, do not add more water if the viscosity increases, as this will significantly reduce the material's properties and strength.
- Should not be used on surfaces that are underwater or constantly submerged.
- Do not mix the product with any other substances or materials.

Caution

- Appropriate safety equipment, such as gloves, dust masks, and safety goggles, etc.
- Use in well-ventilated areas and avoid inhalation.
- In case of eye contact, rinse immediately with plenty of clean water and seek medical attention.
- Keep out of reach of children.

Storage

- Keep in a cool, dry area. The storage temperature should be 0-35°C.
- Avoid areas exposed to direct sunlight.
- Shelf life is 1 year if the storage is in good condition without opening.

Packing

Net Weight: 20 Kg/Bag

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