

am EPOXIGROUT 204

DESCRIPTION

am EPOXIGROUT 204 is a 2-component solvent-free, non-pigmented epoxy resin compound with low viscosity.

USES

- Structural repair of cracked concrete by injection.
- Repair and filling of small hairline cracks in reinforced concrete structures.
- Sealer for cement-based surfaces

ADVANTAGES

- Low viscosity
- Virtually impermeable therefore protecting the concrete against carbonation
- High slant shear bond strength
- Resistant to wide range of chemicals

METHOD OF USE

Surface preparation

The substrate to be treated must be sound, dry and free from any contaminants which may prevent good adhesion.

If necessary, the surface should be prepared by mechanical means.

When used as a primer/sealer, the maximum moisture content of the substrate should < 4%, and pull-off strength of pretreated substrate should be >1.5 N/mm².

Mixing

Stir the individual components of **am** EPOXIGROUT 204 thoroughly.

Pour both components into a mixing vessel and mix for approximately 5 minutes using slow-speed drill and paddle until a homogeneous mixture is obtained.

Transfer the contents to a clean container and re-mix. Use the product as quickly as possible after mixing.

Application

Prepare surface by removing laitance dust, paint, skim coat etc, along the crack for a width of approximately 50mm.

Installation of injection heads along the cracks with the distance ~ 30mm from each one.

Sealing of Cracks

- Seal the remaining parts of the cracks with **am** EPOXIMORTAR 205, It should be applied in strips of approximately 50mm width and 2mm thickness along the length of the crack.
- Allow the sealer to cure overnight.

Injection

- Begin injection at the lowest nipple upward or from one end of the crack if it is horizontal.
- Once **am** EPOXIGROUT 204 has fully cured/hardened, remove the injectors.

Cleaning

Tools must be cleaned immediately after use with thinner.

GROUTS AND REPAIR MORTAR

HANDLING

Store the product in cool dry condition.

SAFETY PRECAUTIONS

Avoid contact with the skin and eyes. In case of contact with skin and eyes, rinse immediately with plenty of water and soap, and seek medical advice. Wear suitable gloves and eye protection. Avoid inhaling vapours and ensure good ventilation when working in a closed environment.

PACKING

am EPOXIGROOUT 204 is available in 3 kg set.

SHELF LIFE

The shelf life for **am** EPOXIGROOUT 204 in unopened and undamaged packaging is 06 months.

SPECIFICATIONS

Mixing Ratio A:B	2 : 1 (by weight)
Density	1.06 g/cm ³
Solids Content	100%
Viscosity (ASTM D445)	4.0 Poise
Curing @23°C	
• Tack-free	6 hours
• Retouchable	24 hours
• Overcoat	24 hours
• Full cured	7 days
Adhesive strength on concrete after 7 days	Concrete failure
Compressive strength (ASTM C579)	65 N/mm ²
Flexural Strength	40 N/mm ²
Shore D Hardness	85
E Modulus	2400 N/mm ²
Coefficient of thermal expansion	7.5 x 10 ⁻⁵ /K
Elongation at break	4%
Temperature for application	
• Minimum	+ 15°C
• Maximum	+ 45°C
Working Life	
• 10	3 hours
• 23	2 hours
• 30	1 hour



022 - 021
Eco-Friendly Building Material
Minimum 20% Recycled Content

Asia Mortar Co., LTD (AM Co., LTD)

Tel: (84-028) 38 20 8686 Fax: (84-028) 38 20 8866

Email: amv@asiamortar.com.vn Website: www.asiamortar.com.vn

Revised 3-Aug' 2020



ISO 9001 : 2000 Cert.No. 421453a



This information in this catalogue is provided to the best of our knowledge from results gathered both internal and external credited laboratories. However, we have no control over site applications, site conditions and workmanship of the applicator. We therefore will not accept any liability, either directly or indirectly arising from the misuse of these products or when the product is used not in accordance with any advice, specification, and recommendation of information given by us, The user is responsible for checking the suitability of these products for its intended use.