

ADVAPOXY MORTAR NF

MULTI-PURPOSE EPOXY REPAIR PUTTY

Introduction

ADVAPOXY MORTAR NF is an epoxy resin adhesive and bedding compound that is designed for use where non-slump characteristics are required. The system consistency makes the product ideal for minor concrete repairs and re-profiling. It is thixotropic but easily workable compound that cures to give high mechanical properties and offers resistance to oil, grease, petroleum, salts, many acids and alkalis and most commonly met corrosive media.

ADVAPOXY MORTAR NF is a two-pack product containing fine aggregates that will not shrink on curing; the product is rapid curing.

Characteristics

- High strength
- Versatile
- Tenacious bond
- Non slump, rapid cure
- Non shrink
- Minimal waste
- Excellent chemical resistance
- High mechanical strength
- High impact resistance
- Strong adhesion

Appropriation

ADVAPOXY MORTAR NF may be used for a variety of bonding, repairing, bedding, gap filling and overhead applications, typically:

- Repairing honeycombed concrete
- Cracked plaster surface, mapping
- Bedding bridge bearing
- Fixing of brick slips
- Gap filling adhesive
- Outstanding for anchoring bolts or replacement rebar and filling bolt pockets
- Bedding and grouting tiles
- Repairs & grouting to GRC panels
- Skim coat/filler on prepared floors prior to application of floor coatings and screeds
- As a jointing, moulding and bonding compound



Technical Data and Properties

Standard Confirms to	ASTM C881: Type 1, Grade 3 Class B & C, BS6319 - Part 4, BS5080 - Part 1
Color and Appearance	Grey paste upon mixing (A+B)
Density @ 30°C	1800 kg/m ³
Compressive Strength @ 7 days	>60N/mm ²
Tensile Strength @ 7 days	>17N/mm ²
Flexural Strength @ 7 days	>35N/mm ²
Bond Strength @ 7 days	Greater than Concrete
Pot Life @ 30°C	45 min
Initial cure @ 30°C	4-8 hours
Full Cure	7 Days @ 30°C
Flash Point	200°C

Product Management

Surface preparation: Make sure surfaces are clean, dry and free from dust, dirt, oil, grease, laitance etc. Mixing: **ADVAPOXY MORTAR NF** may be easily mixed by trowel although for multiple packs a slow speed drill and mixing paddle can be used. For less than full units take three parts of the base (part A) with two parts of the reactor (part B) and mix thoroughly in a pliable polyethylene beaker or similar Part mixing of units is only recommended for non-adhesive applications. The technical properties shown above will only be achieved with the exact mixing ratio, as supplied. To avoid waste, only mix sufficient material for the work in hand Application: **ADVAPOXY MORTAR NF** by knife or trowel will aid application. Where deep recesses are to be filled, apply **ADVAPOXY MORTAR NF** in layers of 25 mm to 40 mm to required depth Coverage: A 5kg unit will cover an area of 2.67 m²/mm. Consumption will vary according to the texture and profile of the prepared surface. Cleaning: Clean tools and equipment immediately after use with a suitable solvent. Once cured **ADVAPOXY MORTAR NF** can only be removed by mechanical methods.

Packing & Storage

ADVAPOXY MORTAR NF is available in a 5 kg kit (two parts). For site installations or mass consumption, deliveries can be supplied in bulk custom-designed containers. **ADVAPOXY MORTAR NF** should be stored in cool, dry, and shaded warehouses, with a shelf life of 12 months when kept under cover, away from direct sunlight, and protected from extreme temperatures as per recommendations. In extreme tropical climates, **ADVAPOXY MORTAR NF** must be stored in a cooled environment, as excessive humidity and prolonged exposure to UV light will reduce its shelf life.

Health & Safety

ADVAPOXY MORTAR NF contains no hazardous substances; however, as with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn while handling, and wearing long-sleeve overalls, safety shoes, and a face mask is recommended for maximum safety. All containers must be resealed after use, and the product should be stored as instructed in the safety section of the labeling. In case of contact with skin or eyes, rinse immediately with fresh water. If accidentally swallowed, do not induce vomiting but seek medical assistance immediately. For more details, please refer to the MSDS provided for each AIM product.