

MASTERSEAL[®] F1810

Novolac epoxy repair filler

DESCRIPTION

Masterseal F1810 is a two-component epoxy-based mortar filled with selected fine aggregate. It is a fast setting, repair compound, ideal for minor concrete repair applications such as pin holes, blow holes & fine surface cracks.

Masterseal F1810 is easily worked and can be applied by either trowel, spatula or knife. It cures to give high chemical & mechanical properties typical of Novolac systems. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media. It does not shrink on curing, and is designed to be used when cured from below freezing point to 60°C. Its impact resistance, and mechanical strength is greater than that of concrete.

RECOMMENDED FOR

Primary uses

For surface repairs of fine cracks, blowholes and spalls to horizontal & vertical surfaces.

Typical application

- Repairing surface defects such as blowholes and pin holes in concrete substrates.
- Dowel bars anchoring.

FEATURES AND BENEFITS

- High strength.
- Strong adhesion.
- Impact resistant
- Chemical resistant.
- Non shrink.
- Fast setting.
- Trowels to a smooth finish.
- Easy to use.
- Supplied in pre-weighed units.
- No bonding agent or primer required.

TECHNICAL DATA

Colour	Cement grey
VOC	2.77g/L
Mixed density at 25°C	1.47g/cm ³ (approx.)
Flashpoint	N/A
Compressive strength to ASTM C579 at 25°C	≥60 N/mm ² at 7 days
Bond to concrete	In excess of the cohesive strength of concrete
Pot life	
• 25 °C	20 minutes
• 40 °C	9 minutes
Tack free time	
• 25 °C	1 hour
• 40 °C	30 minutes

Abrasion resistance ASTM D4060 (CS17 / 1000cycle / 1000g) at 7 days	70 mg
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PACKAGING

Masterseal F1810 is available in 1 litre units.

CHEMICAL RESISTANCE

Masterseal F1810 has excellent resistance to the following: Most aqueous systems, sewage, urine, fresh water, sea water, diluted and concentrated alkalis, diluted acids, sulphur gases, mineral, vegetable and solvents and etc.

APPLICATION

Preparation:

All loose particles, laitance, dust and grease etc., must be removed prior to application of **Masterseal F1810**.

Mixing:

The 1.48kg (1litre) pack has been designed to be readily mixed by margin trowel at the ratio of 4.2 parts base to 1 part hardener. Mix the material for 1 minute and until it is free of streaks.

Application:

Scrape or trowel **Masterseal F1810** to the required level. **Masterseal F1810** has a high exotherm and so where deep recesses are to be filled, it may be necessary to use **Masterseal F1810**.

Working temperature:

Masterseal F1810 will cure at temperatures as low as 0°C, although at low temperatures cure is retarded.

ESTIMATED DATA

1.48kg (1 litre) is sufficient to cover 1m² at 1mm thickness.

CLEAN UP

Clean with CLEANING SOLVENT No.2 or xylene immediately after use.

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult **BASF's** Technical Services Department.

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. (which can also be tainted with vapour



The Chemical Company

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until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not leave mixed quantities beyond 300grams or 200ml to sit for prolonged time or exposed to high temperatures as this can cause exothermic reaction to occur and excessive smoking. If smoking of the product should occur, quickly fill it with sand and remove it to a well ventilated area. Do not breathe in the smoke. Reseal containers after use. For further information, refer to material safety data sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local **BASF** representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

C/Mseal F1810/1/1010

STATEMENT OF RESPONSIBILITY

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NOTE

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