

MasterTop[®] 2200

High strength epoxy repair filler for horizontal cracks and minor repairs in concrete substrates

DESCRIPTION

MasterTop 2200 is an epoxy filler compound. It is a two component, fine aggregate filled, fast curing material, ideal for minor horizontal concrete repair applications.

MasterTop 2200 is an easily workable filler compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. 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.

TYPICAL APPLICATIONS

For surface repairs of fine cracks and spalls to horizontal concrete floor deck substrates in car parks and other flooring applications.

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

ADVANTAGES

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

PACKAGING

MasterTop 2200 is available in 7.5 kg units.

TYPICAL PROPERTIES*

Colour	Cement grey
Mixed density at 25°C	~1.7 kg/L
Compressive strength to ASTM C579 at 40°C	≥80 MPa at 7 days
Pull off bond strength ASTM D4541/BS 1881 Part 207	>2.5 MPa
Pot life at 25°C	70 min
at 40°C	30-40 min
Tack free time at 25°C	7 h
at 40°C	2 h 15 min
Flexural strength at 40°C ASTM C580	>25 MPa

APPLICATION GUIDELINES

MIXING

The 7.5 kg pack has been designed to be readily mixed by trowel at the ratio of 2 parts base to 1-part hardener. Where more than one pack is to be mixed at a time, a slow speed mixing drill and sealant paddle is suitable. Mix until a smooth streak-free consistency is achieved.

PLACING / APPLICATION

Knife or trowel **MasterTop 2200** to the required level using the minimum of solvent on the trowel to aid workability. The surface may be finished smooth by use of a paint brush dipped in a suitable thinner (Xylene / MEK / Acetone). Where a very deep recess is to be filled, it may be necessary to build up in layers. Repairs may be camouflaged if required by covering surface with cement powder before full cure is affected.

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All loose particles, laitance, dust and grease etc., must be removed prior to application of **MasterTop 2200**.

Working temperature

MasterTop 2200 will cure at temperatures as low as 0°C, although at low temperatures cure is retarded.

Chemical resistance

MasterTop 2200 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 animal oils and fats, ammonia and formaldehyde.

CLEANING

Clean tools with a suitable thinner (Xylene / MEK / Acetone) immediately after use.

COVERAGE / YIELD

7.5 kg is sufficient to cover 4.4 m² at 1 mm thickness.

STORAGE AND SHELF LIFE

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.

The shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

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 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. For further information refer to the material safety data sheet.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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NOTE

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