

MasterBrace[®] ADH 2300

Very high strength, non-flow, epoxy resin based putty cum crack sealer

DESCRIPTION

MasterBrace ADH 2300, is a non-slumping epoxy bedding compound and adhesive. It is a two components, fine aggregate filled, fast curing material, and ideal for a variety of bedding, gap filling and concrete repair applications. It can be used for fine crack sealer or putty before coating applications.

MasterBrace ADH 2300 is a stiff but easily workable 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. Its impact resistance, and mechanical strength is greater than that of concrete.

PRIMARY USES

For surface repairs of fine cracks and spalls. For gap filling, grouting, bedding fixtures etc. For repairs to arises without the use of form work. Wherever a thixotropic epoxy mortar is required.

TYPICAL APPLICATIONS

- Bedding bridge beams or steel bridge bearings.
- Repairing surface defects or to honeycombing concrete in horizontal, vertical or overhead situations.
- Fixing slip bricks to concrete.
- Securing bolts into walls.
- Dowel bars anchoring.
- As a gap filling adhesive.
- Filling bolt pockets.
- Bedding tiles.
- Repairing concrete posts in-situ.
- Fixing of surface ports for crack injection.

ADVANTAGES

- High bond strength.
- Non-slump can be applied to vertical and horizontal surfaces
- Compatible for over coating
- Chemical resistant.
- Trowels to a smooth finish.
- Easy to use.
- Supplied in pre-weighed units.
- No bonding agent or primer required.

PACKAGING

MasterBrace ADH 2300 is available in 5.36kg units.

COMPOSITION

Two-component epoxy-based mortar filled with selected fine aggregate.

TYPICAL PROPERTIES

Color:	grey
Mixed density:	1600 Kg/m ³ at 25°C (approx.)
Flashpoint:	N/A
Compressive strength:	80 N/mm ² at 7 days
Bond strength:	Greater than concrete.
Pot life:	at 25°C : 1 hour 30 mins at 40°C : 40 mins
Tack free time:	at 25°C : 6 hours at 40°C : 2 hours
Full cure:	at 25°C : 5 days at 40°C : 3 days

APPLICATION PROCEDURE PREPARATION

All loose particles, laitance, dust and grease etc., must be removed prior to application of **MasterBrace ADH 2300**.

MIXING:

MasterBrace ADH 2300 is supplied in two pre-weighed components base and reactor. Add reactor to the base component and mix thoroughly for using a slow speed drill fitted with a suitable mixing paddle until homogeneous streak free grey color achieved.

APPLICATION:

Knife or trowel **MasterBrace ADH 2300** 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 MasterTop Solvent no. 2. 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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WORKING TEMPERATURE:

MasterBrace ADH 2300 will cure at temperatures as low as 5°C, although at low temperatures cure is retarded.

COVERAGE

5.36 kg is sufficient to cover 3.35 m² at 1.0mm thickness.

EQUIPMENT CARE

Clean with MasterTop Solvent No. 2 immediately after use.

SAFETY 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 vapor 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.

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 Master Builders Solutions's Technical Services Department.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

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

QUALITY AND CARE

All Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

* Properties listed are based on laboratory controlled tests.

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CONTACT

Should you require any further information, please do not hesitate to contact us:

www.master-builders-solutions.com/en-sa
enquirycc.saudi@mbcc-group.com
M: +966 13 853 8600

Master Builders Solutions Saudi Arabia for
Manufacturing LLC.
P.O. Box 1884, Al Khobar, KSA

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Disclaimer:

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer.

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