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MasterBrace®ADH 2200

High strength epoxy bedding and repair mortar

DESCRIPTION

MasterBrace ADH 2200 is a solvent free, high performance, non-slumping epoxy mortar and adhesive.**MasterBrace ADH 2200** can be used as a bedding mortar, thixotropic adhesive and non-sag concrete repair mortar.

RECOMMENDED USES

- Bedding of bridge beams or steel bridge bearings
- Repairing surface defects in concrete in horizontal, vertical and overhead applications
- Fining of injection ports for MasterInject resins
- Bonding of dowels, bolts and anchors into concrete
- Rapid structural repair of concrete
- Repair of concrete posts in situ
- For Strengthening application to bond MasterBrace Laminates

FEATURES AND BENEFITS

- **Adheres to concrete surfaces** –Allows rapid repair of concrete
- **Solvent free**–Low VOC and non-shrink
- **Pre-proportioned packaging**–No job site errors
- **Easy application**–No primer necessary
- **High abrasion, impact and chemical resistance**–Can be used as contact surface in aggressive environments
- **Cures hard at low temperatures**–Wide application range

PROPERTIES

Mixed resin and hardener only	
Compressive Strength (ASTM C 579) @ 25°C	> 60 MPa @ 1 day
	> 75 MPa @ 7 days
Slant shear bond strength, 7 days (ASTM C.882)	>10 MPa (concrete failure)
Pot life	> 1 hr @ 20°C
	50 minutes @ 30°C
	30 minutes @ 40°C
	20 minutes @ 60°C
Recoat time	8 hours @ 25°C
	6 hours @ 40°C
Bond strength	>2. MPa (concrete failure)
Setting time	12 hours @ 25°C

Chemical Resistance

MasterBrace ADH 2200 resists most common organic and inorganic acids in diluted form, also resistant to alkalis, water, oils, grease, etc. Chemical resistance depends on the chemicals involved, their concentration, temperature and degree of exposure. Good housekeeping practices such as immediate clean-up of all spillages will greatly extend the service life.

	Part A	**Part B**	**Mixed**
Supply Form	Viscous Paste	Viscous Paste	Viscous Paste
Colour	White	Black	Grey
Mix Ratio		62:38 pbw	
Density (Mixed)		1.75 ± 0.05 kg/L	
Application Temperature		20°C - 40°C	

APPLICATION

Surface preparation

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro-jetting. Mechanical wire brushing may be appropriate for small areas.

Spalled concrete should be cut back to sound concrete and made good with **MasterBrace ADH 2200** mortar. Conventional concrete curing compounds should be removed before application.

Mixing

Proportion part kits accurately mixing only what can be used in less than 30 minutes. Thoroughly stir Part A, add Part B and blend thoroughly using a slow speed mixer fitted with a suitable paddle.

.**Application**

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The **MasterBrace ADH 2200** may be placed using a trowel or spatula and applied evenly across the whole surface. Subsequent coats should be placed within 30-45 minutes and the **MasterBrace ADH 2200** should still be tacky. The use of a trowel dipped in solvent is recommended of a very smooth final surface is required.

CURING

Cure time will vary depending on the ambient temperature, quantity mixed and placed. **MasterBrace ADH 2200** will have fully cured after 7 days at 23°C.

ESTIMATING DATA

A 6 kg kit of **MasterBrace ADH 2200** will yield 3.24litres.

PACKAGING

MasterBrace ADH 2200 comes in a 6 kg kit

SHELF LIFE

MasterBrace ADH 2200 can be stored in tightly closed original containers for 12 months at moderate temperature.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

MasterBraceADH2200/04/0519

BASF India Limited
Construction Chemicals Division
Plot.No.12,TTC Area
Thane Belapur Road, Turbhe
Navi Mumbai - 400705,India
Tel: +91 22 67127600, Fax: +91 22 67917358
E-mail: construction-india@basf.com , www.master-builders-solutions.basf.in