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Maintenance of Cast-
In-Place Concrete

MasterBrace[®] 6063UW

Marine epoxy paste for use with the
Advanced Pile Encapsulation System

FORMERLY HYDROCOTE 1063

YIELD

- 1/8 in (3 mm)
25.6 ft²/2 gal unit (2.4 m²/7.6 L Unit)
- 1/4 in (6 mm)
12.8 ft²/2 gal unit (1.2 m²/7.6 L Unit)
- 1/2 in (13 mm)
6.4 ft²/2 gal. unit (0.6 m²/7.6 L Unit)

PACKAGING

MasterBrace 6063UW marine epoxy paste is packaged in 2 gal (7.6 L) units.

COLOR

White

SHELF LIFE

18 months when properly stored

STORAGE

Store in unopened containers in a clean, dry area between 50 and 90 °F (10 to 32 °C) away from direct sunlight, flame, or other hazards.

DESCRIPTION

MasterBrace 6063UW is a two component, nonsag, marine epoxy paste that can be applied to horizontal, vertical and overhead surfaces, above and below the waterline, and in the presence of wave action.

PRODUCT HIGHLIGHTS

- Heavy consistency and rapid set Resists wave action during and after cure
- Marine grade adhesive Will adhere to wood, concrete or steel, above or below water line
- Excellent handling Can be glove applied in thicknesses up to 1 inch (25 mm) in a single application
- Suitable for low-temperature application Cures down to 40 °F (4 °C)

HOW TO APPLY

SURFACE PREPARATION

Concrete Surfaces

1. New concrete must be fully cured (28 days minimum) before application of MasterBrace 6063UW material.
2. The substrate must be clean and sound. Remove all marine growth, paint, grease, oil or other contaminants by an anchor profile, if possible.

Steel Surfaces

3. Steel surfaces must be cleaned to meet SSPCSP6-63, "No. 6 Commercial Blast Cleaning."

Wood Surfaces

1. Remove all marine growth, paint, grease, oil and other contaminants by sandblasting, waterblasting or rotary abrading. Remove unsound wood.

APPLICATIONS

- Piers
- Bridges
- Offshore structures
- Dams
- Sea walls
- Horizontal
- Vertical
- Overhead
- Underwater
- Primarily used with in conjunction with MasterBrace encapsulation systems
- Can also be used for:
 - Patching spalls in concrete
 - Filling cavities
 - Sealing surfaces for crack injection

SUBSTRATES

- Concrete
- Steel
- Timber

PHYSICAL PROPERTIES

PLASTIC PROPERTIES

PROPERTY	REQUIREMENT
Mix Ratio, by volume	1:1
Form	Thick Paste
Color	Component A White, Component B Black, Mixed Grey
Working Time	50 minutes
Cure Times @ 77 °F (25 °C)	Initial Cure 5 to 6 hours Full Cure 7 days

HARDENED PROPERTIES

PROPERTY	REQUIREMENT
Compressive Strength	8000 psi (55.0 MPa) (ASTM 579) 7 days
Tensile Strength	3700 psi (25.5 MPa) (ASTM 638) 7 days
Water Absorption	0.5% maximum (ASTM C 413) 7 days
Tensile Bond Strength	270 psi (1.90 MPa) (ASTM D 4541) 7 days
Slant Shear Bond Strength	2000 psi (13.8 MPa) (ASTM C 882) 7 days

NOTES:

The physical properties listed herein are typical and descriptive. Bond strengths are highly dependent on surface preparation and installation conditions. Pot life is temperature related. Cooler temperatures lengthen pot life.

PHYSICAL PROPERTIES

MIXING

1. Mix only the amount of paste that can be placed within the specified pot life. (Higher temperatures shorten pot life).
2. Place equal parts of A and B on a flat disposable palette (i.e. sheet of cardboard) and mix with a flat bladed scraper or trowel.
3. Mix until all evidence of the original white and black colors has disappeared and a uniform grey color is achieved.
4. Once mixed, MasterBrace 6063UW material may be picked up and handled with gloved hands. Keep gloves thoroughly wet with water to prevent material from sticking to gloves.
5. Material may be rolled into balls or ropes for ease of application.

APPLICATION

1. When applied to surface underwater, it is necessary to “work” the paste on to the surface, using heavy hand pressure, being careful not to entrap water or air bubbles between the paste and the surface.
2. Hold the paste against the surface for 10–15 seconds to obtain optimum adhesion. When used to cover cracks, work paste into one end of crack and progress along crack to other end, displacing water from the crack. Smooth outer surface of paste with gloved hand.

CLEAN UP

Mixed epoxy is much easier to clean up before it hardens. Solvents such as acetone, methyl ethyl ketone (MEK) and toluene may be used. Commercial epoxy strippers are recommended for hardened epoxy. Consult solvent manufacturer’s usage recommendation.

FOR BEST PERFORMANCE

- Make certain the most current versions of product data sheet and SDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

MASTERBRACE 6063UW

DANGER – CORROSIVE

Contains: polyamino amide, tetraethylenepentamine, tris (2,4,6-dimethylaminomethyl) phenol, benzyl alcohol.

HEALTH, SAFETY AND ENVIRONMENTAL

Health, Safety and Environmental Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed. **IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585**

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