MasterBrace® 6000UW
Epoxy grout for use with the Advanced Pile Encapsulation System
FORMERLY APE PILE GROUT

DESCRIPTION
MasterBrace 6000UW is an aggregate filled epoxy system especially designed for placement by a plural component method, both above and below the waterline. MasterBrace 6000UW is used with the Advance Pile Encapsulation process and other applications where epoxy must be placed in relatively large volumes.

PRODUCT HIGHLIGHTS
- Marine grade epoxy Bonds underwater (seawater or fresh) to wood, concrete or steel
- High flow, self leveling formulation Allows the material to be pumped, minimizing handling and clean up
- Combined with MasterBrace 6060FR jackets to encapsulate Structures and/or restore section loss

APPLICATIONS
- Piers
- Bridges
- Offshore structures
- Dams
- Sea walls

SUBSTRATES
- Concrete
- Steel
- Timber

HOW TO APPLY
APPLICATION
Methods of surface preparation, application and handling will vary due to the broad scope of specialized applications. Most applications will require removal of marine growth and cleaning of rust and scale. For information on estimating, application, pump equipment and further recommendations contact your BASF Construction Systems representative.

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.

YIELD
One five gal (19 L) unit of Components A plus Component B when mixed with six 50 lb (22.7 kg) bags of Component C yields approximately 3.18 cu ft (0.09 m³).

PACKAGING
Component A: 5 gal (19 L)
Component B: 5 gal (19 L) Units
Component C: 50 lb (22.7 kg) Bags

COLOR
Component A = White
Component B = Black
Mixed = Grey

SHELF LIFE
18 months 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.
TECHNICAL DATA

MASTERBRACE 6000U

COMPOSITION

Three component marine epoxy grout

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>REQUIREMENT</th>
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<tbody>
<tr>
<td>Mix Ratio, by volume</td>
<td>1:1, Part A (hardener) to Part B (resin)</td>
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<tr>
<td>Mix Ratio</td>
<td>3.38:1 Part C (aggregate) to Parts A and B (mixed binder) for pumpable grout, ratio may vary for other applications</td>
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<tr>
<td>Mixing and Handling Time</td>
<td>Unlimited when plural component method is used.</td>
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<tr>
<td>Pot Life after mixing at downstream end of hoses:</td>
<td>1 hour @ 77 °F (25 °C) Full Cure Time: 7 days@ 77 °F (25 °C)</td>
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<tr>
<td>Compressive Strength</td>
<td>10000 psi (68.9 MPa) (ASTM C 579) at 7 days@ 77 °F (25 °C)</td>
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<tr>
<td>Tensile Strength</td>
<td>2000 psi (13.8 MPa) (ASTM C 307) at 7 days@ 77 °F (25 °C)</td>
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<tr>
<td>Flexural Strength</td>
<td>4500 psi (31.0 MPa) (ASTM C 580) at 7 days@ 77 °F (25 °C)</td>
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<tr>
<td>Slant Shear</td>
<td>1450 psi (10.0 MPa) (ASTM C 882) wet/wet at 7 days@ 77 °F (25 °C)</td>
</tr>
<tr>
<td>Linear Shrinkage</td>
<td>&lt; 0.06% (ASTM C 531) at 14 days@ 77 °F (25 °C)</td>
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</table>

NOTES: Bond Strengths are highly dependent on the application and installation conditions. See your BASF Construction Systems representative for related test data.

FOR BEST PERFORMANCE

• Application temperature cure range is 55° F (13° C) to 100° F (38° C). For applications below 55° F (13° C), consult with a BASF Construction Chemical representative.
• To obtain maximum bond strength, local water conditions have to be taken into account and appropriate surface preparation procedures have to be followed.
• 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 BASF personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

MASTERBRACE 6000UW PART B

DANGER – CORROSIVE

Contains: Polyaminoamide; Nonyl phenol; Diethyltoluenediamine; Tetraethylenepentamine; Tris(2,4,6-dimethylaminomethyl) phenol; Diethylenetriamine.

MASTERBRACE 6000UW PART C

WARNING!

Contains: silica, crystalline quartz.

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.basf.us, e-mailing your request to basfbscst@basf.com or calling 1(800)433-9517. Use only as directed. For medical emergencies only, call ChemTrec® 1(800)424-9300.
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