

Two-Component, Deep Repair Mortar

DESCRIPTION:	AlphaGuard PUMA DR is a multi-purpose, quick-set, two-component, deep repair mortar for concrete substrates.																		
BASIC USES:	AlphaGuard PUMA DR is used to make deep repairs, 1" and greater in depth, on concrete substrates prior to the installation of the AlphaGuard PUMA system.																		
PACKAGING:	Resin - ½ gallon (1.8 L) container Powder - 39 lbs (17.8 kg) bag																		
GRADE:	Trowel																		
POT LIFE:	10 - 15 minutes. <i>*Pot life dependent on ambient, substrate, and product temperature and the amount of AlphaGuard PUMA Catalyst used.</i>																		
STORAGE LIFE:	12 months in unopened containers. Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not exceed 110°F (43°C). On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets. Shelf life could be effected if the product is not stored properly.																		
APPLICATION:	Preparation: Surface must be clean, dry, solid and free of dirt, grease, oil, algae, and any other debris/contaminants. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile. Mixing: Use a heavy duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials. If necessary, add the appropriate amount of quartz sand and or aggregate for the specific application (see chart below). Pour the AlphaGuard DR liquid resin into the pail and mix thoroughly. Application: Prime areas with AlphaGuard PUMA Primer - 107 and allow to cure. Apply AlphaGuard PUMA DR at the desired thickness of 1" or greater in depth. Allow AlphaGuard PUMA DR to cure prior to applying subsequent coats.																		
ACCEPTABLE SURFACES/SUBSTRATES:	<table border="1"> <thead> <tr> <th>Smooth BUR</th> <th>Gravel BUR</th> <th>Concrete</th> <th>Foam</th> <th>Modified Bitumen</th> <th>Metal</th> <th>Single Ply</th> <th>SPUF</th> <th>Walls</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>●</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Smooth BUR	Gravel BUR	Concrete	Foam	Modified Bitumen	Metal	Single Ply	SPUF	Walls			●						
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AlphaGuard® PUMA DR

<p>COVERAGE RATE:</p>	<table border="1"> <thead> <tr> <th>Thickness</th> <th>Mil Thickness</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1" - 2"</td> <td>Powder</td> <td>39 lbs (17.8 kg)</td> </tr> <tr> <td>Liquid Resin</td> <td>½ gal (1.8 L)</td> </tr> <tr> <td>Quartz Sand - 2-8 mm</td> <td>18 lbs (8.1 kg)</td> </tr> <tr> <td rowspan="4">2" - 5"</td> <td>Powder</td> <td>39 lbs (17.8 kg)</td> </tr> <tr> <td>Liquid Resin</td> <td>½ gal (1.8 L)</td> </tr> <tr> <td>Quartz Sand - 2-8 mm</td> <td>7 lbs (3.1 kg)</td> </tr> <tr> <td>Quartz Aggregate - 8-16 mm</td> <td>27 lbs (12.2 kg)</td> </tr> <tr> <td rowspan="4">5" and Greater</td> <td>Powder</td> <td>39 lbs (17.8 kg)</td> </tr> <tr> <td>Liquid Resin</td> <td>½ gal (1.8 L)</td> </tr> <tr> <td>Quartz Sand - 2-8 mm</td> <td>11 lbs (4.9 kg)</td> </tr> <tr> <td>Quartz Aggregate - 8-16 mm</td> <td>14 lbs (6.3 kg)</td> </tr> <tr> <td></td> <td>Quartz Aggregate - 16-32 mm</td> <td>18 (8.1 kg)</td> </tr> </tbody> </table>	Thickness	Mil Thickness	Amount	1" - 2"	Powder	39 lbs (17.8 kg)	Liquid Resin	½ gal (1.8 L)	Quartz Sand - 2-8 mm	18 lbs (8.1 kg)	2" - 5"	Powder	39 lbs (17.8 kg)	Liquid Resin	½ gal (1.8 L)	Quartz Sand - 2-8 mm	7 lbs (3.1 kg)	Quartz Aggregate - 8-16 mm	27 lbs (12.2 kg)	5" and Greater	Powder	39 lbs (17.8 kg)	Liquid Resin	½ gal (1.8 L)	Quartz Sand - 2-8 mm	11 lbs (4.9 kg)	Quartz Aggregate - 8-16 mm	14 lbs (6.3 kg)		Quartz Aggregate - 16-32 mm	18 (8.1 kg)
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<p>CLEAN UP:</p>	<p>Clean tools immediate after use with AlphaGuard PUMA Cleaner.</p>																															
<p>LIMITATIONS:</p>	<ul style="list-style-type: none"> • AlphaGuard PUMA DR is intended for use on structural concrete substrates and is not for use over any other types of roof decks or roofing materials. • Do not apply in falling precipitation or when precipitation is imminent. • Only apply when ambient temperature is -20°F - 95°F (-28°C - 35°C). 																															
<p>PRECAUTIONS:</p>	<p>Use Tremco AlphaGuard PUMA DR with adequate ventilation. If the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapor as well as direct contact with skin or eyes. Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.</p>																															
<p>MAINTENANCE:</p>	<p>Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.</p>																															
<p>TECHNICAL SERVICES:</p>	<p>Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.</p>																															



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AlphaGuard is a U.S. registered trademark of Tremco, Inc.

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