The Right Product for the Right Job Since 1980

Splash Zone Epoxy and Underwater Epoxy Paste

Underwater Epoxy Repairs and Crack Filling

Epoxy.com Product #2707

DESCRIPTION

Splash Zone Epoxy and Underwater Epoxy Paste Product #2707 is a moisture-insensitive, two-component, 100% solids epoxy-resin system. Splash Zone Epoxy and Underwater Epoxy Paste Product #2707 is mixed at a 2:1 ratio, by volume, this product produces a paste-like material that is ideal for protection or restoration of concrete, steel and timber piles and other structural elements in marine environments.

This product can be used where contamination from water can occur during the cure process or it can be used directly underwater.

ADVANTAGES

- Convenient 2:1 mixing ratio
- Faster Cure
- Hand-applied
- Can be used above, below, or at the waterline
• Resists wave action
• Restores structural integrity
• Bonds to wet surface

RECOMMENDED FOR

Recommended for repairing cracks and defects in concrete or masonry under water or on wet substrates.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity Mixed</td>
<td>2,500,000 - 3,000,000 cps typical</td>
</tr>
<tr>
<td>Color Mixed</td>
<td>Tan/light Brown</td>
</tr>
<tr>
<td>Compressive Strength ASTM D 695</td>
<td>9400 psi</td>
</tr>
<tr>
<td>Adhesion</td>
<td>405 psi (dry) 350 psi (wet) @ ecometer</td>
</tr>
<tr>
<td>(concrete failure, no delamination)</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength ASTM D638</td>
<td>4,102 psi</td>
</tr>
<tr>
<td>Flexural Strength ASTM D790</td>
<td>4,910 psi</td>
</tr>
<tr>
<td>Ultimate Elongation</td>
<td>2.3%</td>
</tr>
<tr>
<td>Shrinkage ASTM C-883-80</td>
<td>No Shrinkage Used with concrete</td>
</tr>
<tr>
<td>Pot Life 1.5 gallon batch</td>
<td>20-30 minutes @ 70°F</td>
</tr>
<tr>
<td>Gardner Variable Impactor</td>
<td>50 inch pounds direct - passed</td>
</tr>
<tr>
<td>Hardness Shore D</td>
<td>65</td>
</tr>
<tr>
<td>Heat Deflection</td>
<td>138°F&gt;Dry to Touch</td>
</tr>
<tr>
<td>Tach Free (dry to touch)</td>
<td>3-12 hours</td>
</tr>
<tr>
<td>Recoat or Topcoat</td>
<td>3-12 hours</td>
</tr>
<tr>
<td>Light Traffic</td>
<td>10-24 hours</td>
</tr>
<tr>
<td>Full Cure</td>
<td>2-7 days</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>35° to 90°</td>
</tr>
<tr>
<td>Mix Ratio by Volume</td>
<td>2A:1B</td>
</tr>
<tr>
<td>Packaging Information</td>
<td>3 gallon units</td>
</tr>
</tbody>
</table>

MIXING

Mix only as much Splash Zone Epoxy and Underwater Epoxy Paste Product #2707 as you can use within 20 min. or less at 70 degrees F. If the temperature is higher your working time will be much shorter. It is always better to start with smaller batches and to gradually increase the size, to be sure that you have enough working time. Material temperature should be a minimum of 60°F for ease of mixing. Mix "A" & "B" Components together, by hand, until a uniform gray color is achieved.

SURFACE PREPARATION

Remove all deteriorated material, barnacles or other marine growth by mechanical abrasion, water or sand blasting. Typically the better the surface preparation, the better the bond. To avoid contamination, apply Splash Zone Epoxy and Underwater Epoxy Paste Product #2707 to prepared surface as quickly as possible. It is always best to do a mockup to verify that your surface preparation is adequate. This product is intended for hairline cracks and other fractures up to an 1/8 inch in width. Remove all unsound concrete from within the crack to be repaired and thoroughly remove all debris from within the crack opening.

APPLICATION

For best results, apply Splash Zone Epoxy and Underwater Epoxy Paste Product #2707 by hand using tight-fitting rubber or
plastic gloves. (Wet gloves with slightly soapy water before working with material.) Press material onto surface and knead into place in maximum lift thickness of approximately 2”. Smooth gently by rubbing with gloves using water as a lubricant. For smaller areas you can use a concrete grout bag.

**LIMITATIONS**

Do not thin **Splash Zone Epoxy and Underwater Epoxy Paste Product #2707**. Since conditions content vary greatly, it is recommended that a sample application be made to ensure the intended performance. Do not apply when water or ambient temperature is below 50°F.

**COVERAGE**

One (1) gallon of **Splash Zone Epoxy and Underwater Epoxy Paste Product #2707** will yield 231 CI and cover 12.8 SF @ 1/8" thickness 125 mil.

**SHELF LIFE**

One (1) years for Components "A" and "B".

**LIMITATIONS**

- Color stability may be affected by environmental conditions such as immersion service, temperature, or chemical exposure.
- Colors may vary from batch to batch.
- This product is not UV color stable and will discolor when exposed to UV rays or some indoor lighting such as sodium vapor lights.
- All new concrete must be cured for at least 30 days prior to application.
- It is advisable to place test patches prior to undertaking underwater or water contaminated repairs to insure product and surface compatibility.
- The temperature of the water may increase or decrease the time for the material to cure, dependent on the temperature of the water.
- Physical properties are typical values and not specifications.

**PRODUCT STORAGE**

Store product at normal room temperature before using. Continuous storage should be between 60 and 90° F. Low temperatures or temperature fluctuations may cause crystallization.

**PRODUCT MIXING**

This product has a mix ratio of 2 parts A to 1 part B by volume. To mix, simply measure out equal volumes of the material and mix them together thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color. Mix only an amount of material that can be used in the allotted pot life period. Improper mixing may result in product failure.

**PRIMING**

No priming is necessary.

**PRODUCT APPLICATION**
The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment. It is important to thoroughly work the paste into the repair area so as to displace any water from within the repair area. This product can be used underwater as well as in any area where the flow of water cannot be controlled.

**RECOAT OR TOPCOATING**

For underwater repairs, we do not recommend any topcoat be applied. However, in areas where water contamination may occur during the cure process but subsequent to topcoat application, contact Epoxy.com Technical Support for a recommendation for your specific project.

**CLEANUP**

Use Xylene.

**SURFACE CLEANING**

Caution! Some cleaners may affect the color of the fast set gel installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

**BLOG POSTS & NEWS**

You can find more information on Epoxy Gel Adhesive Products, and many of our other products at news.epoxy.com.

**NOTICE TO BUYER**

**DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

Proper mixing and installation is critical to the optimal success of all product. See Installation Tips, Techdata, & MSDS for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

**Epoxy.com**

A Division of Epoxy Systems, Inc  
20774 W. Pennsylvania Ave.  
Dunnellon, Florida 34431  
Hundreds of Systems.  
Since 1980 - Over 33 years  
Florida & Vermont  
USA

Customer and Technical Support Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time).  
Closed 12 Noon-1PM Eastern Time for Lunch  

321-206-1833 Customer Service - Ordering and Order Status  
Katey Fontaine, VP - Customer Service Director  
sales@epoxy.com

Technical Support  
352-533-2167 Norm Lambert, President - Technical Support Director  
info@epoxy.com