

**Super Ultra Premium 100% Acrylic Emulsion Paint : For Exterior and Interior**

<b>Description</b>	Beger Cool UV Shield is formulated from high quality 100% pure acrylic and insulating hollow microspheres ceramic that resists thermal to the paint film and significantly reduce heat transfer compare to the traditional paint. And combined with UV Silicone Cross Link Technology for UV Protection with special acrylic polymer licence only Beger, and it improve film reaction in Cross Link Peaction for strong film and molecule paint of high penetrate in substrate for long lasting resistance, allows moisture vapor to escape from the substrate (Breathable Film) and good resistance to algae, fungus mildew and mold attack. No added lead, no added mercury and environmental safe.			
<b>Properties for Use</b>	Beger Cool UV Shield use as a topcoat on all surfaces such as cements, concretes, fiber cements, bricks suitable for interior and exterior works.			
<b>Feature and Benefits</b>	<ul style="list-style-type: none"> <li>* Solar heat will be reflected out from the paint film more than 3 times of traditional emulsion paint.</li> <li>* To reduce temperature approx. 3 - 5°C and electric energy cost saving more than 25% compared to traditional paint.</li> <li>* Total UV blocking and IR protects, good fading and chalking resistant.</li> <li>* Good resistant to water stain, oil stain and dirt stain with advanced Nano Silicone Technology.</li> <li>* Waterproof, but still allows moisture vapor to escape from the substrate with Siloxane.</li> <li>* Protect paint film peeling with Cross Link Technology.</li> <li>* Ultra hiding with Super Titanium from DuPont Ti-Pure Titanium Dioxide.</li> <li>* Durable weather proofing.</li> <li>* Good resistance to algae, fungus mildew and mold attack.</li> </ul>			
<b>Film Thickness and Spreading Rate</b>		<b>Minimum</b>	<b>Maximum</b>	<b>Typical</b>
* Dry film thickness (microns)		30	45	40
* Wet film thickness (microns)		100	130	115
* Theoretical coverage rate (m <sup>2</sup> /U.S.Gallon/coat)		35	40	35
<b>Physical Properties</b>	<ul style="list-style-type: none"> <li>* Vehicle type : Pure Acrylic 100% Emulsion Paint</li> <li>* Finish : Semi-gloss</li> <li>* Colour : According to the "Beger Cool UV Shield #xxx-x"</li> <li>* Specific Gravity : 1.25 - 1.35</li> <li>* Solid by volume : 37.5 - 38.5%</li> <li>* Solid by weight : 50.0 - 52.5%</li> <li>* Dry time (@25°C, 30 mm.DFT)               <ul style="list-style-type: none"> <li>Touch dry : 20 minutes</li> <li>Recoat : 2 - 4 hours</li> <li>Dry to handle : 2 - 4 hours</li> <li>Flash point : More than 65°C</li> </ul> </li> </ul>			
<b>Application Method</b>	<ul style="list-style-type: none"> <li>* Tool : Brush, roller or spray gun.</li> <li>* Thinner : Clean water.</li> <li>* Handling : The moisture content in the concrete should not exceed 14%. Concrete and masonry cure at least 28 days before coating. Application by roller or brush dilute with 5 - 10% clean water by volume. Application by spray gun dilute with 15 - 25% clean water by volume.</li> </ul>			
<b>Application System</b>	<ul style="list-style-type: none"> <li>* Surface preparation : Surface should be dry and clean. Remove completely all dirt, grease, oil, water or any contaminated by washing surface with suitable cleaner. Repair all surface imperfections. Before application, fill and seal hairline cracks by working a generous amount of material into void. Cracks and gaps wider than 2.0 - 10.0 mm. should be filled with acrylic sealant. Use Beger Acrylic Wall Filler #F-200 for cracks and gaps with less than 0.3 - 1.0 mm. width. Surface with fungus, mold and mildew growth must be cleaned off and follow by the treatment of fungicidal wash Beger Moulfree #M-001. Previous painted surface: Remove all loose or peeling paint. Remove chalk with high pressure-water jet; allow to dry a minimum of 24 hours. Stir content thoroughly before and during application.</li> <li>* Typical paint system : Primer               <ul style="list-style-type: none"> <li>New Masonry Substrate                   <ul style="list-style-type: none"> <li>* Standard Thermal Resistance                       <ul style="list-style-type: none"> <li>* Beger Cool All Seasons Acrylic Alkali Resisting Primer #5000 for Interior or #6000 for Exterior <span style="float: right;">1 coat</span></li> <li>* Supreme Thermal Resistance                           <ul style="list-style-type: none"> <li>* Beger Cool Flex Elastomeric Alkali Resisting Primer #9000 <span style="float: right;">1 coat</span></li> </ul> </li> </ul> </li> <li>Previously Painted Surfaces                   <ul style="list-style-type: none"> <li>* Beger Multi-Purpose Primer #B-1900 <span style="float: right;">1 coat</span></li> </ul> </li> </ul> </li> <li>Topcoat               <ul style="list-style-type: none"> <li>* Beger Cool UV Shield #xxx-x <span style="float: right;">2 - 3 coats</span></li> </ul> </li> </ul> </li> </ul>			
<b>Environmentally Friendly Tips</b>	<ul style="list-style-type: none"> <li>: Do not mix paints for storage or disposal. Leave paint in the original container.</li> <li>: Do not throw liquid paint in the trash or pour it down the drain.</li> <li>: Small amounts of latex paint can be air-dried and disposed through your trash collection system.</li> </ul>			
<b>Storage</b>	<ul style="list-style-type: none"> <li>: The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away form source of heat an ignition.</li> <li>: Containers must be kept tightly closed.</li> <li>: 36 months at ambient.</li> </ul>			
<b>Health and safety</b>	<ul style="list-style-type: none"> <li>: Use under well ventilated conditions.</li> <li>: Do not breathe or inhale mist.</li> <li>: Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water.</li> <li>: Eyes should be well flushed with water and medical attention sought immediately.</li> </ul>			
<b>Precaution</b>	: Keep out of reach of children.			
<b>Reference Standard</b>	: Thai Industrial Standard : TIS 2321 - 2549 (Durable Emulsion Paint)			
<b>Packing Size</b>	: 3.5 Litres, 9 Litres, and 15 Litres.			

**DISCLAIMER**

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, We cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.