

### SPHERE8 PRIMER ST

Composition	Sphere8 Primer ST is a 2-component, solvent free, epoxy.	
Application	Sphere8 Primer ST is applied as a primer and/or scratch coat for different substrates as sand cement, concrete and ceramic tiles. On a sand cementitious screed, a primer is not necessary. If desired, Sphere8 Primer ST can be filled with a suitable Kiln dry quartz sand filler.	
Technical properties	Specific Gravity	1.66
	Shore hardness (DIN 53505)	~ 80 D
	Compressive strength (DIN 53454)	~ 70 N/mm <sup>2</sup>
Pre-treatment substrate	A pre-treatment of the substrate is required to ensure the permanent bonding of a synthetic finish. Generally, all substrates must be free from grease, oil, dirt, moisture and other contaminations that may negatively influence the adhesion with the substrate. This applies to both existing and new substrates. New cement-based substrates must be at least 4 to 6 weeks old, and must have a moisture content of no more than 2.5%, measured according to the calcium carbide method or tramex CME, before Sphere8 Primer ST can be applied. A substrate pre-treatment manual is available on request.	
Consumption	The consumption of the Sphere8 Primer ST depends on the roughness and porosity of the substrate. On average, the consumption is between 0.5kg – 1.5kg/m <sup>2</sup> .	
Mixing ratio	85	Parts by weight Resin (603770)
	15	Parts by weight Hardener (803770)
Temperature substrate	min. 10°C and max. 30°C. The temperature of the substrate must be at least 3 °C above the dew point.	
Relative humidity	min. 30% and max. 80%	
Application temperature	min. 10°C and max. 30°C	
Application temperature material	min. 15°C and max. 25°C	
Mixing procedure	<ol style="list-style-type: none"> <li>1) Open the container with the resin and mix until it is homogenous.</li> <li>2) Open the container with the hardener and add to the resin.</li> <li>3) Mix both components mechanically about 2 minutes until a homogenous mixture is formed.</li> <li>4) To avoid mixing errors or unmixed residue; pour the mixed material into a clean and empty container and mix again for a short time. Never use unmixed residue of the material.</li> </ol> <p>A well mixed material is uniform in color without light or dark spots.</p>	
Application time	The application time of the Sphere8 Primer ST at 20°C is about 20 to 25 minutes. Note: At a temperature rise of 10°C the application time will reduce by half. At a temperature reduction of 10°C the application time will double.	
Drying and curing	The drying and curing times of the Sphere8 Primer ST, at a consumption of 1.7 kg/m <sup>2</sup> are as follows: <ul style="list-style-type: none"> <li>- Recoatable. : after 6 hours and a maximum within 48 hours at 20°C</li> <li>- fully cured : after 7 days at 20 °C</li> </ul>	
Colour - structure – gloss	No colour – smooth - glossy	
Packaging	10kg and 20kg set packaging	
Precautions	It is important to adhere to certain requirements when working with synthetics. It is therefore advised to avoid skin and eye contact, by using creams and/or liquid-proof gloves, safety glasses, etc. When using Sphere8 Primer ST, especially in small and enclosed spaces, sufficient ventilation is recommended.	
Tools	Sphere8 Primer ST can be applied with: <ul style="list-style-type: none"> <li>- a straight or toothed trowel</li> <li>- a squeegee</li> </ul>	
Tool cleaning	Used tools can be cleaned with Sphere8 Acetone.	

Our recommendations concerning the technical application of the product, whether through oral or written communication or through demonstration, are given to the best of our current knowledge; however, any such instruction shall be without commitment, including where any protective rights of third parties are involved. They do not free you of the obligation to check the products supplied by us for their suitability for the procedures and applications envisaged. The (intended) use and application of the products are beyond our control. They are therefore your personal responsibility. In the event that Sphere8 proves liable, such liability shall be limited in all cases of damage to a sum not exceeding the actual value of the goods supplied by us and used by you. It goes without saying that we guarantee the good quality of our products, in accordance with the standards set out in our General Terms of Sale and Delivery.



REDEFINING SPACE

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Shelf life	<p>In the original, unopened packaging, stored in a dry place between 5°C and 25°C, <b>Sphere8 Primer ST</b> has a typical shelf life of at least 24 months.</p> <p>Note: <b>Sphere8 Primer ST</b> should not be stored or exposed to temperatures below 5°C.</p> <p>Note: in time, a form of separation and sedimentation may occur. It is necessary to mix the material to a 100% smooth, homogenous mass before the B component is added. When in doubt about the homogeneity and / or smoothness, we advise to first pass the material through a sieve before further use. If the material can no longer be mixed to a homogeneous, smooth mass, you should contact Sphere8 for advice.</p>
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