

SPHERE8 BODY COAT ST

Composition	Sphere8 Body Coat ST is a 2-component, solvent free, self-leveling polyurethane with good light fast properties.	
Application	Sphere8 Body Coat ST is applied as a seamless, wear resistant floor finish suitable for many different projects. Projects include but are not limited to: schools, hospitals and healthcare services, private residences, offices and public buildings.	
Technical properties	Density Resin + Hardener	1500 kg/m ³ (depending on colour)
	Viscosity	3500 mPa.s (± 500)
	Shore hardness (DIN 53505)	~ D 50
	Tensile strength (DIN 53455)	~ 8.1 MPa
	Elongation at break (DIN 53455)	~ 160 %
	Angle tear (DIN 53515)	~ 44 N/mm
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. Before the Sphere8 Body Coat ST is applied, the substrate needs to be fitted with a primer from the Sphere8 range. On concrete floors and sand cementitious screeds, Sphere8 Primer ST LV can be applied as a primer. A substrate pre-treatment manual is available on request.	
Consumption	The consumption is approx. 1.5 kg/m ² per mm layer thickness.	
Mixing ratio	82 18	Parts by weight Resin (704330) Parts by weight Hardener (904330)
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"> 1) Open the container with the resin and mix until it is homogenous. 2) Open the container with the hardener and add to the resin. 3) Mix both components mechanically for 2 minutes until a homogenous mixture is formed. <p>A well-mixed material is uniform in color without light or dark spots.</p> <ol style="list-style-type: none"> 4) To avoid mixing errors or unmixed residue; pour the mixture into a clean and empty container and mix again for a short time. Never use unmixed residue of the material. 	
Application time	The application time of the Sphere8 Body Coat ST at 20°C is about 15 to 20 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 Body Coat ST, at a layer thickness of 2 mm are as follows: <ul style="list-style-type: none"> - recoatable : after 16 hours and a maximum within 48 hours at 20°C - fully cured : after 7 days at 20°C 	
Colour - structure - gloss	On request from most colour charts - smooth - gloss	
Packaging	10kg and 25kg set packaging	
Precautions	It is important to adhere to certain requirements when working with synthetics. It is advised to avoid skin and eye contact, by using creams and/or liquid-proof gloves, safety glasses, etc. When using Sphere8 Body Coat ST, especially in small and enclosed spaces, sufficient ventilation is recommended.	

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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Tools	Sphere8 Body Coat ST can be applied with: - a straight or toothed trowel - a Swedish knife
Tool cleaning	Used tools can be cleaned with Sphere8 Acetone.
Shelf life	In the original, unopened packaging, stored in a dry place between 5°C and 25°C, Sphere8 Body Coat ST has a typical shelf life of at least 24 months. Note: Sphere8 Body Coat ST may not be stored or exposed to temperatures below 5°C. Note: in time, a form of separation 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.

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