

SPHERE8 TOPCOAT XF

Composition	Sphere8 Topcoat XF is a 3-component, solvent free product, based on hybrid technology, that does not yellow under the influence of UV light. To ensure the product will cure, the addition of a catalyst (C-component) is required to accelerate the drying time. This is particularly advantageous if you are working at low temperatures, in small areas, or have a limited amount of time.																						
Application	Sphere8 Topcoat XF is a fast drying, smooth finish for broadcasted systems. The product can be used for both epoxy and polyurethane systems.																						
Technical properties	Density Resin + Hardener	~ 1185 kg/m ³																					
	Solid content	100%																					
Pre-treatment substrate	Sphere8 Topcoat XF can be applied onto several epoxy and polyurethane systems without extra pre-treatment. It is important to ensure that the Sphere8 Topcoat XF is applied within 48 hours of the application of the epoxy or polyurethane system. When exceeding 48 hours, sanding is needed to ensure a proper adhesion.																						
Consumption	The consumption of the Sphere8 Topcoat XF depends on the flooring type it is applied on. For broadcasted systems the consumption is approx. 200 – 400 grams/m ² . For smooth surfaces the consumption is approx. 150 grams/m ² .																						
Mixing ratio	60 40 0,5	Parts by weight Resin (703131) Parts by weight Hardener (903131) Parts by weight Catalyst (503100)																					
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. A well-mixed material is uniform in colour without light or dark spots. 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 5) Optional: Open the container of the catalyst and add to the resin and hardener mixture. 6) Mix the 3 components mechanically for 2 minutes until a homogenous mixture is formed. <p>Note: Only add the catalyst after mixing the resin and hardener!</p>																						
Application time	The application time of the Sphere8 Topcoat XF at 20 °C is about 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	<p>The drying and curing times of the Sphere8 Topcoat XF are slightly influenced by the consumption. The amount of catalyst and the temperature have the biggest influence on the drying and curing. More information can be found in the overview below:</p> <p>Catalyst: 0,5%</p> <table border="1"> <thead> <tr> <th>T(°C)</th> <th>application time</th> <th>recoatable</th> <th>fully cured</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>20</td> <td>30 min</td> <td>120 min</td> <td>300 min</td> </tr> <tr> <td>10</td> <td>60 min</td> <td>240 min</td> <td>600 min</td> </tr> <tr> <td>5</td> <td>120 min</td> <td>480 min</td> <td>1200 min</td> </tr> </tbody> </table>			T(°C)	application time	recoatable	fully cured	30	-	-	-	20	30 min	120 min	300 min	10	60 min	240 min	600 min	5	120 min	480 min	1200 min
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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.

SPHERE 8

REDEFINING SPACE

SPHERE8 TOPCOAT XF

	<p>Catalyst: 1%</p> <table border="1"> <thead> <tr> <th>T(°C)</th> <th>application time</th> <th>recoatable</th> <th>fully cured</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>20</td> <td>20 min</td> <td>80 min</td> <td>200 min</td> </tr> <tr> <td>10</td> <td>40 min</td> <td>160 min</td> <td>400 min</td> </tr> <tr> <td>5</td> <td>80 min</td> <td>320 min</td> <td>800 min</td> </tr> </tbody> </table> <p>Catalyst: 1,5%</p> <table border="1"> <thead> <tr> <th>T(°C)</th> <th>application time</th> <th>recoatable</th> <th>fully cured</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>20</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>10</td> <td>30 min</td> <td>120 min</td> <td>300 min</td> </tr> <tr> <td>5</td> <td>60 min</td> <td>240 min</td> <td>600 min</td> </tr> </tbody> </table> <p>Note: the next layer needs to be applied within 4 hours after drying! If the drying process exceeds 4 hours, the surface first needs to be sanded to guarantee a good adhesion.</p>	T(°C)	application time	recoatable	fully cured	30	-	-	-	20	20 min	80 min	200 min	10	40 min	160 min	400 min	5	80 min	320 min	800 min	T(°C)	application time	recoatable	fully cured	30	-	-	-	20	-	-	-	10	30 min	120 min	300 min	5	60 min	240 min	600 min
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Colour - structure - gloss	Colourless- smooth - glossy																																								
Packaging	5 kg and 10 kg set The catalyst can be ordered separately in packages of 0,1 and 0,9 kg.																																								
Precautions	It is important to adhere to certain requirements when working with synthetic resins. It is therefore advised to avoid skin and eye contact, by using creams and/or liquid-proof gloves, safety glasses, etc. When using Sphere8 Topcoat XF , especially in small, enclosed spaces, sufficient ventilation is recommended.																																								
Tools	Sphere8 Topcoat XF can be applied with: - a roller Note: rollers must be replaced every 20-25 minutes to get the best result!																																								
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 Topcoat XF has a shelf life of at least 12 months. Note: Sphere8 Topcoat XF may not be stored or exposed to temperatures beneath 5 °C. Note: in time, a form of separation may occur. It is necessary to mix up the material to a 100% smooth, homogenous mass before the hardener and the optional catalyst are added. When in doubt about the homogeneity and / or fineness, we advise to first pass the material through a sieve before further use. If the material can no longer be mixed up to a homogeneous, smooth mass, you can contact Sphere8 for advice.																																								

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