

Technical Data Sheet

G 8 SUPER

POLYURETHANE COATING

01/07
September 2007

:: CHARACTERISTICS

G8 Super is a one component, practically non yellowing polyurethane coating that contains solvents. However, it does not contain an additional UV light absorber. G8 Super is applied in thin layers and hardens with moisture after the solvent is released. It has good resistance to all the usual chemicals and cleaners. G8 Super should not be used indoors due to its solvent content.

:: AREA OF APPLICATION

Practically non yellowing clear coating for wood, metal and plastics that are resistant to solvents.

Special Areas of Application:

1. Wood Sealing
Due to its good non yellowing properties G8 Super is particularly recommended as a tough, durable coating for light and dark woods.
2. Improving Epoxy Laminate Surfaces
G8 Super improves the UV resistance of SPEEDCOAT on surfboards and, with the addition of NON SLIP POWDER provides a better non slip surface.
3. Improving the chemical resistance of ESTOVOSS Coatings
It increases the chemical resistance of ESTOVOSS coated surfaces. G8 Super applied onto highly stressed ESTOVOSS coated surfaces within 4-24 hours of application of the ESTOVOSS, increases its resistance to chemicals.

According to the ChemVOC-Paint Directive (2004/42/EG) G8 Super should not be applied to buildings, parts of buildings or decorative elements.

:: PRODUCT DATA

MATERIAL DATA	Packaging	1 L / 5 L / 10 L / 200 L
	Colour	transparent
	Specific weight	ca. 1.0 g/cm ³
	Solids content	50 %
	Flashpoint	ca. 25°C

The adhesion to wood, concrete and sanded polyester laminates is excellent, to metal and glass reasonable. G8 Super hardens rapidly. It is tack free after approx. 2 to 4 hours. The surface is highly impact resistant, tough and durable.

G8 Super has a good resistance to weathering, hardly yellows and provides a long lasting gloss surface. For full mechanical and chemical resistance it should be allowed to harden for, at least, 7 days at 20°C. G8 Super is chemically resistant against low concentrations of acids and alkalis at room temperature

:: INSTRUCTIONS FOR USE

The surface must be clean, dry and grease free. Wood should have relative moisture content of max. 15 % (= Air Dry). It is recommended that surfaces should be thoroughly sanded. Existing paint should be thoroughly removed. The consumption per coat is 200 to 300 ml/m². G8 Super can be applied with a brush or a spray gun (if spraying wear a fresh air breathing mask). In order to ensure thorough hardening the quantity applied should not exceed 250 ml per sq/m, depending on the porosity of the substrate. On porous surfaces it is advised that the first coat of G8 Super is thinned with 50 % POLYURETHANE THINNERS and the second coat with 25 % POLYURETHANE THINNERS. On very dense surfaces it is recommended that up to a max. of 50 % POLYURETHANE THINNERS is added.

However, in order to achieve a tough and chemically resistant film it is necessary to apply a min. of 3 coats of G8 Super without the addition of thinners. Each coat can be applied when the previous coat is tack free. The time depends on the working temperature and the air humidity. At an ambient temperature of 20°C it is between 2-4 hours. When further coats are applied after this time the surface must be sanded. G8 Super can be pigmented with the addition of max. 5 % of our PUR PIGMENT PASTE, however, this is only recommended in exceptional cases. The addition of pigment will reduce the mechanical strength, the surface gloss and the shelf life. The working time will also be shortened. A virtually non slip surface is provided by the addition of 5 % by weight NON SLIP POWDER R1 which should be thoroughly stirred into the G8 Super directly before application.

:: SAFETY

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Security Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry .

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