



DRI-GARD UV 920

High Performance 2-Part Aliphatic Polyurethane UV-Resistant Seal Coat

DRI-GARD UV 920 is a 2-part, coloured, non-yellowing, UV-resistant polyurethane seal coat.

DRI-GARD UV 920 is suitable to be used in external areas that are exposed to sunlight, such as bridges, flyovers, metal and concrete infrastructure.

FEATURES/BENEFITS

- ✓ UV-Resistant
- ✓ Non-yellowing
- ✓ Good opacity
- ✓ Tough & elastic
- ✓ Good mechanical & chemical resistance
- ✓ Easy application
- ✓ Suitable to be used in hot & tropical climates
- ✓ Compatible with most substrates

APPLICATION AREAS

- ✓ Metal structures
- ✓ Concrete structures
- ✓ Bridges
- ✓ Flyovers



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Product Data

Appearances / Colors	Colors can be produced upon request
Packaging	5 L/set (6.5kg set)
Storage	12 months from date of production
Storage Condition	Dry conditions at temperatures between +5°C to +35°C.

Technical Data

Origin	Aliphatic Polyurethane	
Density	Approx. 1.30 kg/l (at +25°C)	
Chemical Resistance	Resistant against many chemicals. Please ask for a detailed chemical resistance table.	
Pot life	Temperature	Time
	+ 10 °C	~ 40 min.
	+ 20 °C	~ 25 min.
	+ 30 °C	~ 15 min.
Thermal Resistance*	Exposure	Dry Heat
	Permanent	+50 °C
	Short-Term (<7 days)	+80 °C
	Short-Term (<12 h)	+100 °C

Application conditions

Substrate Temperature	10 – 35 °C
Ambient Temperature	10 – 35 °C
Substrate Moisture Content	<4% moisture content with no rising moisture. No standing water/condensation on the substrate.
Relative Air Humidity	Max. 80%
Dew point	Surface temperature must be +3°C above dew point

CONSUMPTION

DRI-GARD UV 920 as a top coat: 0.2 – 0.5 kg/m²

- ❖ Note: Actual consumption may vary due to application technique, surface porosity, surface profile, variation in level, wastage, and so on.

SUBSTRATE

New concrete should be cured for at least 28 days and should have a pull-off strength $\geq 1.5 \text{ N/mm}^2$. Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Substrate must have sufficient gradient for surface water to run off easily without ponding water.

For maximum performance, all surfaces to be over-coated must be clean, dry and free from contamination. Fresh water wash and degrease according to SSPC – SP1 solvent cleaning. For best results, blast clean to a minimum of Sa2½, near white metal. Hand and power tool cleaning to a minimum of St 2 or St 3.

For application on other coatings, ensure that the existing coating is fully adhered to the substrate. Flaking/de-bonded coatings must be repaired/treated prior to the application of DRI-GARD UV 920. Please contact Dritech Chemicals for more information.

MIXING

Mix full kits only. Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. To ensure thorough mixing, pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment.

APPLICATION

Prior to application, ensure substrate moisture content, relative humidity, and dew point is within limits. DRI-GARD UV 920 can be applied by brush, roller or spray.

LIMITATIONS

- ❖ Do not apply on substrates with rising moisture. Freshly applied coatings should be protected from damp, condensation and water for at least 24 hours.
- ❖ For external applications, always apply during falling ambient and substrate temperature. If applied during rising temperatures, pin holes may form due to the rising air.
- ❖ DRI-GARD UV 920 applied at different thicknesses can lead to different degrees of matt finish.
- ❖ To control the colour matching, DRI-GARD UV 920 in each area should be applied from the same control batch numbers.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.