



DRI-FLOOR UV 9000

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

2-part, tough, elastic, coloured, non-yellowing, UV resistant polyurethane seal coat. It has good abrasion resistance and high mechanical resistance for broadcast systems. It is suitable to be used in external areas that are exposed to sunlight, such as car park decks, ramps, line markings, and etc.

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

- Car park decks
- Ramps
- Warehouses
- Line markings
- Areas that are exposed to sunlight

PRODUCT DATA

Appearances / Colours	Colours 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. 1.30kg/l (at +25°C)	
Solid Content	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

* Short-term moist/wet heat up to +80°C where exposure is only occasional (steam cleaning, etc.)

* No simultaneous chemical & mechanical exposure and only in combination with Dri-Floor EP systems as a broadcast system (3 – 5mm thickness).

APPLICATION CONDITIONS

Substrate Temperature	10 – 35 °C																		
Ambient Temperature	10 – 35 °C																		
Substrate Humidity	<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	As a seal coat/top coat: 0.15 – 0.25 L/m ² per coat <i>Note: Actual consumption may vary due to application technique, surface porosity, surface profile, variation in level, wastages and so on.</i>																		
Curing Time	Before applying Dri-Floor UV 9000 on other resinous flooring systems: <table border="1"> <thead> <tr> <th>Substrate Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10°C</td> <td>36 hours</td> <td>-</td> </tr> <tr> <td>+20°C</td> <td>24 hours</td> <td>-</td> </tr> <tr> <td>+30°C</td> <td>16 hours</td> <td>-</td> </tr> </tbody> </table> <i>Note: No max. waiting time if fully broadcast surface is free from all contaminations. Times are approximate and will be affected by changing ambient conditions, such as temperature & relative humidity.</i>			Substrate Temperature	Minimum	Maximum	+10°C	36 hours	-	+20°C	24 hours	-	+30°C	16 hours	-				
Substrate Temperature	Minimum	Maximum																	
+10°C	36 hours	-																	
+20°C	24 hours	-																	
+30°C	16 hours	-																	
Traffic condition	<table border="1"> <thead> <tr> <th>Temperature</th> <th>Foot Traffic</th> <th>Light Traffic</th> <th>Full Cure</th> </tr> </thead> <tbody> <tr> <td>+10°C</td> <td>~48 hours</td> <td>~5 days</td> <td>~10 days</td> </tr> <tr> <td>+20°C</td> <td>~24 hours</td> <td>~3 days</td> <td>~7 days</td> </tr> <tr> <td>+30°C</td> <td>~16 hours</td> <td>~2 days</td> <td>~3 days</td> </tr> </tbody> </table> <i>Note: Times are approximate and will be affected by changing ambient conditions</i>			Temperature	Foot Traffic	Light Traffic	Full Cure	+10°C	~48 hours	~5 days	~10 days	+20°C	~24 hours	~3 days	~7 days	+30°C	~16 hours	~2 days	~3 days
Temperature	Foot Traffic	Light Traffic	Full Cure																
+10°C	~48 hours	~5 days	~10 days																
+20°C	~24 hours	~3 days	~7 days																
+30°C	~16 hours	~2 days	~3 days																

SUBSTRATE

New concrete should be cured for at least 28 days and should have a pull-off strength ≥ 1.5 N/mm². 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.

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. If moisture content is > 4% pbw, a suitable moisture tolerant system (e.g. Dri-Floor MT 1100) is required. Dri-Floor UV 9000 can be applied by squeegee and then back-rolled (crosswise) with a short-piled roller.

MAINTENANCE

To maintain the appearance of the floor after application, Dri-Floor UV 9000 must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques, etc. using suitable detergents and waxes.

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.
- Avoid puddles on the surface with the primer.
- Dri-Floor UV 9000 applied at different thicknesses can lead to different degrees of matt finish.
- Under certain conditions, underfloor heating combined with high point loading may lead to imprint in the resin. If heating is required, do not use gas, oil, paraffin or other fossil fuel heaters that produce large quantities of CO₂ & H₂O vapour as it may adversely affect the finishing. For heating, use only electric powered warm air blower systems.

- To control the colour matching, Dri-Floor UV 9000 in each area is 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.