



Fleet HD Coating

The Fleet HD Coating is used as a wearing layer for Fleet systems. It is a highly abrasion-resistant, non-skid coating that was specifically developed for areas subject to heavy-duty vehicular traffic, such as straight and spiral ramps. The surface can be of any colour and this coating can even be used to create patterns or car park markings and guidance.

PROPERTIES AND ADVANTAGES

- Maximum abrasion resistance and anti-skid properties
- Traffic class P7 in acc. with DIN EN 13197 (4 million rollovers)
- Highly flexible and crack-bridging even at extreme sub-zero temperatures
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Fully bonded to the substrate, therefore no flow paths for water under the membrane
- Easy and fast application
- Available in any RAL colour
- Pattern and design colour possible
- Fast-curing
- Solvent-Free

PRODUCT FEATURES

MATERIAL:

2 - component, fast-reactive and highly flexible PMMA based (polymethyl methacrylate) surfacer with a particle size that acts as a guide to layer thickness

AREAS OF APPLICATION

The Fleet HD Coating is used as wearing layer on Fleet systems. It is particularly suitable for areas subject to extremely heavy-duty or high-frequency traffic, such as the ascending and descending ramps in multi-storey car parks.

COLOURS

Fleet HD Coating is available in the following standard colours:

- RAL 1015 Light Ivory
- RAL 7004 Signal Grey
- RAL 7030 Stone Grey
- RAL 7032 Pebble Grey
- RAL 7035 Light Grey
- RAL 7043 Traffic Grey
- RAL 8015 Chestnut Brown
- RAL 9003 Signal White

Other RAL colours are available on request

PACKAGING	
Summer: 15.00 kg Fleet HD Coating 15.20 kg 0.20 kg Catalyst (2 x 0.1kg)	Winter: 15.00 kg Fleet HD Coating 0.40 kg Catalyst (4 x 0.1 kg) 15.40kg

STORAGE

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened products have a shelf life of at least 6 months. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

APPLICATION CONDITIONS	
Temperatures	The product can be applied within the following temperature ranges:

PRODUCT	TEMPERATURE RANGE IN °C		
	Air	Substrate*	Material
Fleet HD Coating	-10 to +35	+5 to +40*	+3 to +30

* The substrate temperature must be at least 3°C above the dew point during application and curing.

MOISTURE

- The relative humidity must be $\leq 90\%$.
- The surface to be coated must be dry and ice-free.
- The surface must be protected from moisture until the coating has hardened.

REACTION TIMES AND REQUIRED AMOUNTS OF CATALYST

FLEET LD COATING (at 20° C, 1.5% Catalyst)	
POT LIFE	approx. 10 minutes
RAIN-PROOF AFTER	approx. 30 minutes
CAN BE WALKED ON / OVERCOATED AFTER	approx. 45 minutes
CURING TIME	approx. 2 hours

Higher temperatures or greater proportions of catalyst will reduce reaction times, while lower temperatures and smaller proportions of catalyst will increase reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

PRODUCT	SUBSTRATE TEMPERATURE IN °C; REQUIRED AMOUNTS OF CATALYST IN % W/W (GUIDE)												
FLEET LD COATING	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
	N/A	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	1%	N/A	N/A

CONSUMPTION RATES	SUBSTRATE	CONSUMPTION APPROX
TECHNICAL DATA	Smooth	3.50kg/m ²
PRODUCT APPLICATION	Density	1.85g/cm ³

SKID RESISTANCE

- Standard Application - R12
- Honed - R13

PRODUCT APPLICATION; APPLICATION EQUIPMENT/TOOLS

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Sheepskin roller
 - Brush (only for areas not accessible with a roller)
- Surface treatment (optional) with: Diamond grinding wheel

SUBSTRATE PREPARATION

Fleet HD Coating can be applied either to the hardened Fleet Primer or to the hardened Fleet Self-Levelling Mortar, as required.

MIXING

- First stir the tub contents thoroughly.
- Then add the catalyst while stirring the resin at the slow-speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is mixed in.
- At product temperatures < 10°C the product should be stirred for 5 minutes, as the catalyst will take longer to dissolve

APPLICATION

Spread the mixed material evenly using the aluminium blade or smoothing trowel and finish to particle size thickness. The advantage of using the aluminium blade is that the can minimise the otherwise normal trowel marks to create a smooth and even appearance.

Reducing roughness (optional) The textured coating can be smoothed once it had cured. This should preferably be done with a diamond grinding wheel. This minimises the roughness height, while still retaining high anti-skid properties, even in damp conditions.

CLEANING

If work is interrupted or when it is completed, clean the tools thoroughly with Fleet Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the Cleaning Agent has evaporated fully. Simply immersing the tools in the Cleaning Agent will not prevent the material from hardening.

INFORMATION ON SAFETY AND RISKS

Please refer to the safety data sheets for the products used.

GENERAL INFORMATION

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.