



Fleet Coat 30 & Fleet Junction

Fleet Coat 30 products are high-grade, PMMA-based waterproofing resins with low-temperature flexibility and are used to create durable and reliable roof waterproofing membranes and to waterproof joints on water-impermeable concrete with fleece reinforcement. Its liquid application allows seamless waterproofing systems to be applied to large areas, and even the most complex roof penetrations and details to be securely incorporated.

PROPERTIES AND ADVANTAGES

- 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
- The most complex roof penetrations can be securely incorporated in the seamless waterproofing system
- Fast-curing
- Can also be applied at sub-zero temperatures
- Can be applied to almost all substrates, including variable substrates (when combined with Fleet Primers)
- Solvent-free
- Test certificates and technical approvals (ETA, AbP) for the areas of roof waterproofing and the waterproofing of joints on water-impermeable concrete units

PRODUCT FEATURES

Standard RAL Colours:
RAL7032 Pebble Grey:
Fleet Coat 30 & Fleet Junction
RAL7043 Charcoal:
Fleet Junction

Material:
2 component, fast reactive and highly flexible
PMMA based (polymethyl methacrylate) waterproofing resin

AREAS OF APPLICATION

Fleet Coat 30 is applied together with Fleet fleece reinforcement for waterproofing large areas and details on roofs as well as for waterproofing water-impermeable concrete joints. For utilised roof areas Fleet Coat 30 is applied under other Fleet products or as a waterproofing membrane underneath surfacing provided by others.

FLEET JUNCTION

Fleet Junction is a variant of Fleet Coat 30 that is made more viscous / thixotropic to reduce run-off when applied to sloping and vertical surfaces. It is therefore used primarily for the waterproofing of details.

PACKAGING

Summer:	Winter:
The 10kg containers should be used with catalyst.	10.00 kg
10.00 kg	0.60 kg
0.20 kg	10.60 kg
10.20 kg	Catalyst (6 x 0.1 kg)
Fleet Coat 30 / Fleet Junction Catalyst (2 x 0.1 kg)	

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.

APPLICATIONS CONDITIONS

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TEMPERATURES		The product can be applied within the following temperature ranges:	
PRODUCT	TEMPERATURE RANGE IN °C		
	AIR	SUBSTRATE*	MATERIAL
Fleet Coat 30	-5 to +35	+3 to +50	+3 to +30
Fleet Junction	-5 to +35	+3 to +50	+3 to +30

PROPERTIES AND ADVANTAGES

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

The substrate temperature must not be less than 3°C if a topping is applied to the surface. Reaction problems can occur at lower temperatures.

- The relative humidity must be ≤ 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 COAT 30/FLEET JUNCTION - (at 20°C, 2% catalyst)	
POT LIFE	approx. 15 minutes
RAIN-PROOF AFTER	approx. 30 minutes
CAN BE WALKED ON / OVERCOATED AFTER	approx. 1 hour
CURING TIME	approx. 3 hours



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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 Coat 30/ Fleet Junction	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
	N/A	N/A	4%	4%	4%	2%	2%	2%	2%	2%	1%	1%	1%

CONSUMPTION RATES	- Fleet Coat 30 - 3.0 kg/m ² - Fleet Junction - 3.5 kg/m ²
TECHNICAL DATA	Density: 1.21 g/cm ³ Water vapour diffusion resistance factor: 4335 [-]

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)

SUBSTRATE TO BE COATED

Apply the waterproofing resin to the cured Fleet Primer or suitably prepared substrate.

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

Use Fleet Coat 30 for waterproofing horizontal areas. Fleet Junction is used for vertical surfaces (e.g. upstands on details).

PREPARATION FOR SUBSEQUENT LAYERS

Surfacing supplied by others and applied subsequently:

a) Fully bonded surface (e.g. tiles)

Once the waterproofing has cured, apply an additional covering layer of Fleet Coat 30 (approx. 1.5 kg/m²) and top with a generous amount of sand while still wet (quartz sand 0.7 – 1.2 mm).

Vacuum off the excess/loose sand after the surface has hardened. The topping gives the surface the necessary roughness that allows the subsequent surfacing supplied by others to be bonded onto the base. Never apply the topping to the waterproofing layer. Only use dry quartz sand (e.g. Fleet Quartz Sand).

b) Loose-laid surfacing e.g. stone slabs)

Once the waterproofing has cured, apply an additional covering layer of Fleet Coat 30 (approx. 1.5 kg/m²). This protects the waterproofing layer against the mechanical loads of the surfacing supplied by others.

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.