ICB WATERPROOFING
Datasheet

Fleet Cover S2 A & B

Fleet Cover S2 is a flexibilised self-levelling mortar for utilised areas, such as roof terraces, balconies and multistorey car parks. In Fleet waterproofing systems it serves as protection for the waterproofing layer. When used in surfacing systems it is applied as a thickfilm coating.

PROPERTIES AND ADVANTAGES

- Versatile product – can be used as waterproofing protection, thick-film laye and equalising layer
- Product for areas exposed to mechanical loads (pedestrians, vehicles)
- Cost-efficient solution for surfacing floor areas without cracks or with only hairline cracks
- Fully bonded to the substrate, therefore no flow paths for water
- Easy and fast application
- 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

AREAS OF APPLICATION

Fleet Cover S2 self-levelling mortar is part of the Fleet system and is used as a protective layer, thick-film coating or equalising mortar. As part of Fleet waterproofing systems it protects the waterproofing layer against the impact of traffic on account of its load-distributing effect (protective layer). In the case of areas subject to mechanical loads and that are either free from cracks or have only hairline cracks, it is used as a thick-film coating without the waterproofing layer. Furthermore it is used as an equalising mortar under Fleet systems to level out areas of damage and up to 10 mm height differences.

PRODUCT FEATURES
MATERIAL: 3-component, fast-reactive, flexibilised and filled PMMA-based (polymethyl methacrylate) self-levelling mortar

PACKAGING	
Summer 10.00 kg Fleet Cover S2 B 23.00 kg Fleet Cover S2 A (Powder comp) 0.20 kg Catalyst (2 x 0.1kg) 33.20 kg	Winter: 10.00 kg Fleet Cover S2 B (Base Resin) 23.00 kg Fleet Cover S2 A (Powder Comp) 0.40 kg Catalyst (4 x 0.1 kg) 33.40kg

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COLOURS

Fleet Cover S2 is available in the following standard colours:

- RAL 7032 Pebble Grey

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 Cover S2	+3 to +35	+3 to + 50*	+3 to +30

* 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.

MOISTURE

- 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 COVER S2 (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

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. The amount of catalyst required is determined by the quantity of resin.

PRODUCT	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)												
Fleet Cover S2	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
	N/A	6%	6%	6%	4%	4%	2%	2%	2%	N/A	N/A	N/A	N/A

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CONSUMPTION RATES	approx. 4.00 kg/m² fpr a smooth substrate
TECHNICAL DATA	DENSITY: Fleet Cover S2 1.76 g/cm³ Fleet Cover S2 B 1.00 g/cm³ Fleet Cover S2 A 2.61 g/cm³
Water vapour diffusion resistance factor 23.718 [-]	

PRODUCT APPLICATION; Application equipment/tools

For mixing the product:
- Twin-paddle stirrer

For applying the product:
- Coating trowel with triangular teeth (notch pattern 92) or
- Smoothing trowel

SUBSTRATE PRE-TREATMENT

The self-levelling mortar can be applied either to the hardened Fleet Primer or to the hardened Fleet waterproofing layer, as required.

MIXING

- First stir the base resin Fleet Cover S2B thoroughly and transfer to a mixing container.
- Add the sand Fleet over S2A to the resin while stirring and continue until a smooth consistency is achieved.
- Then add the catalyst while stirring 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 4 minutes, as the catalyst will take longer to dissolve.

APPLICATION

Use of notched or smoothing trowel to apply an even coat of the mixed self-levelling mortar (approx. 4.0 kg/m²).

PREPARATION FOR SUBSEQUENT LAYERS:

Surfacing supplied by others and applied subsequently:
Fully bonded surfacing (e.g. tiles) While the self-levelling mortar is still liquid, top with a generous amount of sand (quartz sand ≥ 0.2 – 0.6 mm). Vacuum off the excess/loose sand after the surface has hardened. The sand topping creates the necessary roughness (key) and absorbency for the subsequent application of surfacing supplied by others. Only use dry quartz sand (e.g. Quartz Sand).

APPLICATION AS EQUALISING MORTAR

To equalise layer thicknesses of between 3 mm and 10 mm, add additional amounts of coarse, fire-dried quartz sand (1 – 2 or 2 – 3 mm) to the mixed self-levelling mortar before adding the catalyst (max. 17kg sand to 33 kg self-levelling mortar). Once the catalyst has been mixed in and dissolved, apply the mortar using a trowel.

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.

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