



Fleet Mortar

Fleet Mortar is a fast-reactive repair and levelling mortar used for filling and smoothing over faults and cavities in the substrate. Its properties also make it ideal for use on roads.

PROPERTIES AND ADVANTAGES

- Easy to apply
- Can also be applied at sub-zero temperatures
- Fast-curing
- Thermoplastic behaviour
- Stable under pressure
- Abrasion-resistant
- Watertight (subject to correct intermediate compression)
- Resistant to frost and de-icing salt
- Largely resistant to acids, alkali solutions and diesel
- UV-, hydrolysis- and alkali-resistant
- Solvent-free

AREAS OF APPLICATION

Fleet Mortar is used as a repair and levelling mortar as well as to even out gradients on cement-bound and bitumen-bound substrates. Consequently it can be used as a reprofiling mortar under Fleet products, as a replacement for mastic asphalt or asphalt concrete, as a base mortar for installing manhole frames, for pressure distribution when the surfacing material is compressed or for forming lane grooves and for use as fixing mortar.

PRODUCT FEATURES

MATERIAL:

2-component, fast-reactive, highly filled PMMA-based (polymethyl methacrylate) repair and levelling mortar with a formulated, activated filler mix resin.

PACKAGING


1.00 kg Fleet Mortar Resin
9.00 kg Fleet Mortar Aggregate
10.00 kg

COLOURS

Asphalt Black
7042 Traffic Grey Fleet Mortar

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STORAGE

Store products sealed in their original packaging and in a cool, dry and frost-free place. Avoid warm storage areas (> 30°C) even for brief periods, for example on site. Consequently the products must not be exposed to direct sunlight or kept in a vehicle. Unopened products have a shelf life of at least 3 months. 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 Mortar	+5 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.

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 MORTAR (AT 20 °C)	
POT LIFE	approx. 12 minutes
RAIN-PROOF AFTER	approx. 30 minutes
CAN BE WALKED ON / OVERCOATED AFTER	approx. 1 hour
CURING TIME	approx. 3 hours

Higher temperatures will reduce reaction times, while lower temperatures will increase reaction times.

CONSUMPTION RATES

2.2 kg/m² per mm layer thickness

TECHNICAL DATA	DENSITY:	
	Fleet Mortar	2.13 g/cm ³
	Fleet Mortar Resin	0.99 g/cm ³
	Fleet Mortar Aggregate	2.61 g/cm ³
Water vapour diffusion resistance factor 23.718 [-]		

PRODUCT APPLICATION; APPLICATION EQUIPMENT/TOOLS

For mixing the product:

- Stirrer with spiral mixer head

For applying the product:

- Smoothing trowel

SUBSTRATE PREPARATION

The mortar is applied to the hardened Fleet Primer.

MIXING

Shake the resin component and add all of it to the sand mixture. Then stir fully for 3 minutes using a compulsory mixer (spiral mixer head). There must be no lumps or nodules and all the material on the base and walls of the container must be incorporated. To ensure that this is done, it is helpful to repot the material once during the mixing process.

Attention:

Catalyst does not need to be added. The catalyst is already included in the sand component.

APPLICATION

Pour the mortar onto the primed surface, compress and finish immediately with a smoothing trowel. The mortar can be applied in layer thicknesses of up to 50 mm in a single operation.

Please note: Make sure that the mortar is worked well into the corners (compressed).

PREPARATION FOR SUBSEQUENT LAYERS:

None required

CLEANING

If work is interrupted or when it is completed, clean the tools thoroughly with Fleet Cleaner 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 Fleet Cleaner has evaporated fully. Simply immersing the tools in the Fleet Cleaner 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.