



711 TRAFIX

HIGH STRENGTH NON SHRINKING MORTAR FOR PAVING AND INDUSTRIAL FLOORS



ECO FRIENDLY



HIGH STRENGTH



NON SHRINK

DESCRIPTION

Davco 711 TRAFIX is a fast hardening high strength mortar suitable for the installation and repairs of industrial floors and pavements

CHARACTERISTICS

- Fast hardening
- High mechanical strength
- Hard wearing

Repair to industrial floors and concrete walkways

- Substrates must be sound and resistant.
- A preliminary study must be carried out on cracked substrates.
- Mark the boundaries of the area to be repaired, preferably by sawing.
- Remove damaged material to leave a thickness of 2cm with clean ridges. Loose particles must be raked out and all traces of grease and oil removed.
- Dust and rinse thoroughly.
- Fill the cleared area with water and soak for several hours.
- Remove residual water.
- Make up a micro-concrete with Davco 711 TRAFIX.
- Apply the micro-concrete with a poker or tamper.
- Smooth the surface of the micro-concrete with a machine trowel (or similar).
- The mortar surface must be treated with a protective coating.
- Foresee the need for intermediate joints and respect the existing structural joints.

USES

- Repairs to industrial flooring, concrete walkways and roads, pot-holes, undercuts.
- Bed-face for high-traffic paving and road surfaces.

INSTRUCTION

Substrate preparation

- For use on rigid substrates only (cement-stabilised gravel, concrete). Substrates must be clean, sound and free of any loose or flaking parts.
- If necessary, the surface should be roughened and levelled prior to application.
- Dampen the substrate.
- To ensure good bonding, apply a primer or slurry coat.

Mortar preparation

- The mortar is obtained by mixing Davco 711 TRAFIX with potable water.
- Machine mix to a plastic consistency.
- Mixing time: 3 minutes minimum.
- Workable life after mixing: 45 mins maximum.

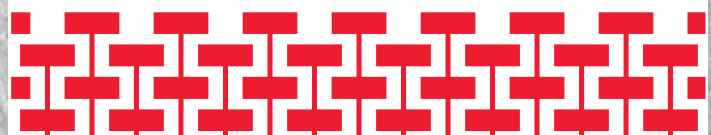
Micro-concrete preparation

- For thicknesses over 20mm, Davco 711 TRAFIX should be used as a micro-concrete.
- Micro-concrete is made up by adding 10 - 15 kg of clean, damp 3/8 or 5/10 aggregate for each 25 kg bag of Davco 711 TRAFIX. Site trials should be conducted to determine the proper aggregate ratio to achieve a good workability of the mortar mix

Application (Bed-face for paving)

- Dampen the substrate.
- Lay a bed-face suited to the type of paving.
- Tamp down the paving with a mallet.

BUILDING TRUST





711 TRAFIX

SPECIFICATION

- Grey ready-to-wet powder
- Hydraulic binder active ingredients
- Chloride and metal particle free

Particle Size 0 - 2 mm
Powder density 1.4

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Setting time*

Temperature	30°C	20°C	5°C
Initial setting	50 min	1½ hours	3 hours
Final setting	2 hours	3 hours	6½ hours

*average laboratory values provided as a general guide.

Compressive strength*

Period	3hr	4hr	6hr	1 day	7 days	28 days
MPa	20	26	31	50	65	> 70

* Tests carried out on 4 x 4 x 16 samples, kept at 20°C and 90% humidity. Average laboratory values provided as a general guide.

Tensile bending strength*

Period	1 day	7 days	28 days
MPa	8	8.5	9.5

* Tests carried out on 4 x 4 x 16 samples, kept at 20°C and 90% humidity. Average laboratory values provided as a general guide.

DOSAGE / YIELD

	Davco 711 TRAFIX3/8	Aggregate (kg)	Water	Workable Volume
Pure mortar	1	0	3.2 - 3.9 litres	13 litres
Micro-concrete	25kg	10	4.4 litres	20 litres
Micro-concrete	bag	20	4.4 litres	25 litres

PACKAGING

25kg long-storage bag.

SHELF LIFE

6 months from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

RECOMMENDATIONS

- Temperature range for use : 5°C to 35°C.
- Do not apply to a frozen or thawing substrate.
- Surfaces must be protected from air with appropriate curing compound once setting starts.
- Do not mix with other hydraulic binders.
- Sand and admixtures must not be added.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg

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