

DATA SHEET 2015

FINISHED PRODUCT

VERY QUICK DRYING REPAIR MORTAR.

LOW IN EMICODE EMISSIONS

Cement-based
Quick curing
Quick drying
Quickly put into service
Used for filling holes or irregularities in concrete pavements, roofs and floors
Used for levelling and repairing steps and staircase landings
Regularization prior to self-levelling mortar

Field of applications:

Used for filling holes or irregularities in concrete pavements, roofs and floors. Used for levelling and repairing steps and staircase landings. Hardens quickly, dries quickly, quickly put into service, even with thick layers. The product contains low chromate cement. Interiors.

Description of the product:

Special cement, good dispersion capacity, powder plasticizer and chosen fillers.

It provides high-strength mortar when mixed with water.

Workable for approx. 1/4 hour and after 45 minutes, it can receive another type of finish, for example self-levelling mortars, etc.

E.M.C. 45 adheres perfectly to concrete and natural and artificial stone pavements, stone tiles, chipboard, wood, asphalt, clay, brick, although in some cases it is necessary to prime first with our EUROTAFF EP 305.

Preparing the base:

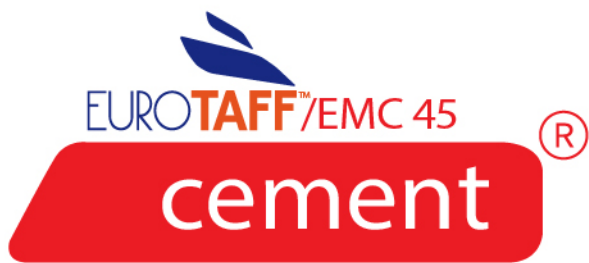
The base can be either wet or dry but it must be resistant, solid, rough and free of any broken up/loose elements.

The base must be dry whenever a further coating is to be applied.

If necessary, prime first following the indications given in the EUROTAFF EP 305 data sheet.

If in doubt, carry out a trial first.





Instructions:

Pour clear water into a clean container and thoroughly mix the required amount of powder to obtain a lump-free mortar.

You will need approximately 5.5 litres of water to mix 25 kg. of E. M. C. 45 powder. The mortar can be used within approx. 1/4 hour at a temperature of 18-20°C. Lower temperatures extend the pot life. Higher temperatures decrease the pot life.

Apply a minimum 1.5 mm of E.M.C. 45 to non-porous surfaces such as, for example, painted surfaces.

When E.M.C. 45 has cured, you can then apply any self-levelling mortar from C. R. & A. MISIEGO.

Thanks to its high strength, E.M.C. 45 mortar is especially suitable for repairing staircases because the steps can be levelled and made equal. The corners can be cut a quarter of an hour after applying the mortar.

For levelling large surfaces and filling in spaces over 5 mm, E.M.C. 45 mortar with sand 0-4 mm in size can be mixed in a ratio of 1 vol. Mortar : 0.3 vol. Sand.

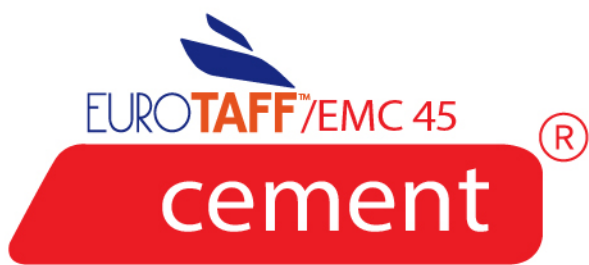
Use E.M.C. 45 at temperatures over 5°C.

E.M.C. 45 cannot be used in outdoor areas or in those subject to constant humidity.

Precautions:

Contains cement, alkaline reaction so therefore protect skin and eyes. In case of contact with skin, thoroughly wash with water. In case of contact with eyes, also seek medical advice. Once dry, it does not contain any ecological or physiological reactions.





Technical data:

Based on tests undertaken in our laboratory in compliance with current standards.

Mix ratio:	Approx. 5 1/2 litres of water: 25 kg. Powder represents approx. 1 vol. of water : 3 1/2 vol. of powder.
Density:	Approx. 1.4 kg./litre
Density of fresh mortar:	Approx. 1.9 kg./litre
Yield:	Approx. 1.6 kg./ powder per m ² and mm.
Effective workability time (20° C):	Approx. 1/4 hour
Transitivity (20° C):	Approx. after 1 hour
Coverable (20° C):	Approx. after 1 hour
Compression strength:	After 1 day approx. 25 N/mm ² After 7 day approx. 35 N/mm ² After 28 day approx. 40 N/mm ²
Flexural strength:	After 1 day approx. 5 N/mm ² After 7 day approx. 8 N/mm ² After 28 day approx. 10 N/mm ²
Brinell Hardness:	After 1 day approx. 40 N/mm ² After 7 day approx. 45 N/mm ² After 28 day approx. 50 N/mm ²
Suitability wheelchairs:	Yes
Suitability on floors with underfloor heating:	Yes
Packaging:	25 kg sacks, net weight
Storage:	1 year in dry place in original closed packaging.

