



The Chemical Company

MASTERTOP[®] 502

Floor levelling compound for producing a smooth finish on uneven floors

Description

A single component cement based floor levelling compound requiring only the addition of water to produce an easily spreadable compound to smooth out surface irregularities prior to laying final floor covering. It sets hard within 1 hour and covering may be laid after 8 hours.

Primary uses

For smoothing uneven floors on ridged concrete, mortar or quarry tile surfaces prior to laying tiles. MASTERTOP 502 is capable of being finished to feather-edge.

Limitations

MASTERTOP 502 is not recommended for use:

- On suspended floors subject to excessive movement. MASTERTOP 503 should be used.
- As a wearing surface.
- On floors subject to rising damp unless treated with a suitable damp-proofing sealer.

Advantages

- Self smoothing.
- Sets hard within 1-1½ hours.
- Coverings may be laid after 6-8 hours.
- Requires only the on-site addition of water.
- Easy to use.
- Economical.
- Can be trowelled to a feather-edge.

Packaging

MASTERTOP 502 is supplied in 25kg sacks.

Composition

A grey cement-based powder with fillers and organic additives. When mixed with water, forms a grey paste.

Typical properties*

Colour	grey green
Freezing point:	0°C

Application procedure

Surface preparation:

The floor to be treated must be free from dust, loosely adhering material, plaster and cement droppings, grease, oil and paint. Porous surfaces such as concrete and sand - cement screeds should first be damped down with water and primed with RHEOMIX 121. (Dilute with water at a rate of 1 part RHEOMIX to 3 parts water). Very smooth, non-porous surfaces (such as terrazzo or quarry tiles) should also be primed in this manner to aid adhesion.

Before laying:

In warm weather ensure the bags of MASTERTOP 502 are stored in a cool area prior to use. Hot or very warm material will set too rapidly. Use cool water during warm or hot weather.

Mixing:

Measure out 5 litres of water for each bag. Place most of the mixing water in the mixing container then slowly add the contents of the bag whilst mixing using an electric drill with spiral mixing paddle (Paddle size 100mm, drill speed 3-400 rpm). When the mix is free of lumps, add the remainder of the mixing water.

Application:

Pour the mixed material into the previously primed surface and spread at the desired thickness using a notched trowel, pin screed or similar equipment.

To assist the self smoothing properties and release air, the MASTERTOP 502 should be rolled with a spiked roller as soon as it has been levelled. If the MASTERTOP 502 is to be laid at depths greater than 6mm, clean dry sand should be added to fill out the material to reduce the risk of cracking.

Curing:

MASTERTOP 502 does not require curing, however it should be protected from direct sunlight and draughts. Air blowing across the surface of the freshly laid MASTERTOP 502 can cause it to dry out too quickly causing it to crack.



The Chemical Company

MASTERTOP[®] 502

Watchpoints

- Never reconstitute the mix after initial stiffening has taken place.
- Do not work at temperatures below 4°C.
- Always turn off under-floor heating and allow the sub-floor to cool before the application of MASTERTOP 502 and do not switch it on again for at least 24 hours after completion.

Coverage

3kg per m² at a thickness of 1.5mm.

Equipment care

Clean all equipment in water immediately after use.

Storage

Upto one year when stored out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction.

Specification

MASTERTOP 502

All floors indicated shall be levelled with MASTERTOP 502 manufactured by BASF Middle East, or similar approved, composed of cement-based powder with fillers and organic additives.

The material should be applied strictly in accordance with manufacturer's instructions.

Storage

Shelf life is upto one year when stored under cover, out of direct sunlight and protected from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to skin and eyes immediately. If accidentally ingested, seek medical attention. Reseal containers after use. For specific storage and disposal instructions refer to the Material Safety Data Sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9000, ISO 14001 and OHSAS 18001.

05/95 BASF-ME revised 05/2003

* Properties listed are only for guidance and are not a guarantee of performance.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8851000

Fax: +971 4 8851002

www.BASF-cc.ae

e-mail: marketingcc.mideast@BASF.com



Certificate No.
963680



Certificate No.
945787



Certificate No.
772556