MEP® MORTIERS ENDUITS PROFESSIONNELS

MEP.CHAPE FLUID

Liquid self-smoothing screed

- Ideal for receiving vinyl, linoleum, carpet, Laminated floating floor
- Thick application – up to 100mm
- Fibre-reinforced

PRODUCT DESCRIPTION

MEP®. CHAPE FLUID is s a pump or hand applied, liquid self-smoothing thick screed for floors
MEP®. CHAPE FLUID is designed for use in residential, offices and commercial areas. It provides a smooth and strong finish ideal for receiving a large range of final floor coverings

USES

MEP®. CHAPE FLUID is designed for levelling solid bonded substrate such as:

- Concrete
- Cement screeds
- Existing tiles*

** Floating application*

MEP®. CHAPE FLUID is indicated for

- Carpet, Vinyl and linoleum
- Laminate flooring
- Wood flooring
- Tiles and natural stone

FEATURES AND BENEFITS

- Pumpable
- Self-smoothing
- Fibre-reinforced
- Ready to use - Factory controlled
- For application depths between 40 to 100mm

TECHNICAL CARACTERISTICS

REFERENCE MATERIAL

Product norm:	EN 13813
Test norms:	EN 13 892 – 2 / EN 13 872 / EN 13 892 – 8
Flammability:	EN 13501-1
Good practices:	DTU 26.2 / NFP 14-201

CHEMICAL CONTENT

Grey Portland cement, graded sand, fibres, specific additive and resins

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TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES	
Comply to norms EN 13813 - DTU 26.2 / 52.2	
POWDER CARATERISTICS	
Color:	Grey
Powder density (kg/m³):	± 1400
Particle size:	≤ 4mm
Reaction to fire:	Euroclass A1
PASTE CARATERISTICS	
Mixing ratio:	± 15%
Paste density:	± 1.7
pH:	≥ 12
Pot life:	≤ 30 min
Open time:	≤ 20 min
Application thickness	40 to 100mm
Mixing time	3 to 5 min
Application temperature:	+5 °C to +35 °C
HARDEN PRODUCT CARATERISTICS	
Set for light foot traffic	≥ 24 hours
Waiting time before tiling:	≥ 24 hours
Waiting time before laying floors (Carpet, Vinyl, linoleum, laminate flooring)	≥ 24 hours
CEMENT-BASED SCREED C16F4	
Bond strength on concrete (28 days)	≥ 0.5 MPa
Flexural strength (28 days)	≥ 4 MPa
Compressive strength (28 days)	≥ 16 MPa

Note: setting times are quoted at 20°C and are temperature and humidity dependent

APPLICATION

CONSOMMATION

18 kg/m² @ 10mm

The coverage figure given is theoretical due to wastage factors and the variety and nature of possible substrates

APPLICATION

Surface preparation - bonded application

- Ensure that surfaces are not subjected to rising damp
- Surfaces must be clean and free of dust, release agent, fungi. All unsound areas, flaky or peeling layers must be removed
- Primed with **MEP®. PRIM PLUS** and allowed to dry 1 to 4h ("touch dry"). Very porous substrates may need to be primed twice. If the screed is applied in more than one layer, each layer must be primed

Surface preparation – floating application (in accordance with DTU 26.2)

- For floating application **MEP®. CHAPE FLUID** must be laid on an isolating film made up of polythene sheets or a similar material in order to allow for movement between the screed and the existing substrate
- Fix the isolating film so that the strips overlap by at least 15 cm and are joined by an adhesive tape
- Arrange the level marks

Notes: New floors must be allowed to cure for minimum periods to ensure that movement due to shrinkage does not affect the screed

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Product Application

Mixing ratio: 3.75 lts water per 25 kg bag

Manual application

- Gradually add the powder into the required water quantity while mixing to avoid lumps forming
- Mix thoroughly using a low speed mixer to a creamy/liquid consistency
- Allow mix to gel for 2 min and then remix before use
- Perform a flow test
- Pour the fresh screed onto the primed substrate taking care that wet edges are in contact
- Once level, use a "de-airing" bar to help the migration of air and to assist the self-smoothing process

Pumped application

- Use mortar pumps - refer to the manufacturer's instructions
- Gradually add the powder into the required water quantity and mix to a creamy/liquid consistency
- Perform a flow test
- Pump the fresh screed taking care that wet edges are in contact
- Once level, use a "de-airing" bar to help the migration of air and to assist the self-smoothing process

NB: Never add more water to the mix. Should the mortar stiffen up due to delays in application then discard the product and mix a fresh batch.
It is important to add only the specified amount of water as excess water will reduce strength, increase shrinkage and encourage segregation

Allowance of movement

- 5mm perimeter joints are compulsory - Walls and any upstands (pillars, columns etc) should be isolated
- Movement joints should be incorporated to allow for slight movements as indicated by DTU 26.2

LIMITATION

- Do not use as a floor finish - not to be left without a suitable floor covering
- Do not use on substrate subject to rising damp
- Do not use on areas that do not allow the flow of rainwater
- Not design for industrial application

RECOMMANDATIONS

- Saw cut joint – must comply with DTU 26.2
- All movement joints – must be extend in the screed
- The fresh screed must be protected from direct sunlight and drafts

PRACTICAL INFORMATIONS

- Packaging: 25kg triple-ply paper bags
- Handling and storage: 6 months if kept in a dry cool place in the original packaging
  In more extreme conditions this period might be shortened
- Tools: Mortar pump, Low speed mixer, trowel, spiked roller, "de-airing" bar

IMPORTANT NOTE

SAFETY AND HYGIENE:
All the information about conditions of use, storage, transport and removing chemical waste is available on the product Safety Sheet. The product and its packaging must be disposed of according to current legislation and it is the responsibility of the product end user.
LEGAL NOTICE:
Our products are fully covered by a public liability insurance.
The data contained in this document is based on our experience and technical knowledge, gained during laboratory assays, and our bibliography.
We will not be responsible for any product applications not indicated in this datasheet. The dosing and usage amount data are only guidelines, based on our experience, and may alter due to atmospheric or on-site conditions. For correct dosing and usage amounts, it is necessary to conduct a trial or assay "in situ", for which the client is responsible. If you have any query or require addition information or clarification, please consult our technical department or website www.mep.co.mu .

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