



## MEP.CREPI **BLOC**

### One coat weather resistant grey render

- One coat application @ 15mm
- Water repellent in one coat
- Excellent for float smoothing
- Suitable for diesel and electric spray machines

#### PRODUCT DESCRIPTION

**MEP®. CREPI PRO** is a one-coat weather resistant grey render for internal and external walls  
**MEP®. CREPI PRO** is classified as a W2 render with a water absorption coefficient  $\leq 0,1 \text{ kg}/(\text{m}^2 \cdot \text{min}0,5)$   
*CE marking No 16-13431-2784*

#### USES

**MEP®. CREPI PRO** can be used as a grey coat finishing render or as a base coat for receiving a decorative finish: Tiling / Paint / textured finish...

#### FEATURES AND BENEFITS

**MEP®. CREPI PRO** is suitable to masonry and walls conforming to DTU 26.1 / 20.1 and constructed from the following:

- Concrete blocks
- Bricks
- Concrete (*using MEP®. PRIM Pro as a bonding agent*)
- Natural stone

#### FINISHES

Fine Scraped

Sponge or Trowel Smooth<sup>(1)</sup>

Rustic textured - from tyrolean style to heavy roughcast effect

*NB: For additional information on the finishes refer to the data sheet on Textured Finishes*

#### TECHNICAL CHARACTERISTICS

##### REFERENCE MATERIAL - CE MARKING No 16-13431-2784

Product norm: EN 998-1  
Test norms : EN 1015-11 / EN 1015-12 / EN 1015-18 / EN 1015-20  
Flammability: EN 13501-1  
Good practices: DTU 26.1 / DTU 20.1

#### CHEMICAL CONTENT

Grey Portland cement, graded sand, water-repellent additive, specific additive

## TECHNICAL DATA

### TYPICAL PHYSICAL PROPERTIES

Comply to norms EN 998-1 / DTU 26.1 \_ 20.1

#### POWDER CARATERISTICS

Color:	Grey
Powder density (kg/m <sup>3</sup> ):	± 1350
Particle size:	≤ 1.2 mm
Reaction to fire:	Euroclass A1

#### PASTE CARATERISTICS

Mixing ratio:	± 19%
Paste density:	± 2
pH:	≥ 12
Pot life:	≤ 1 hours
Open time:	≤ 30 min
Application temperature:	+5 °C to +35 °C

#### HARDEN PRODUCT CARATERISTICS

Bed thickness:	3 to 15mm (up to 20mm in places)
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#### RENDERING & PLASTERING MORTAR CE MARKING No 16-13431-2784

Flexural strength, UNE-EN 1015-11 : 2000	≥ 4 MPa
Compressive strength, UNE-EN 1015-11 : 2000	≥ 15 MPa
water absorption coefficient, UNE-EN 1015-18:2003	≤ 0,1 kg/(m <sup>2</sup> ·min <sup>0,5</sup> )
Adhesion strength on Brick support UNE-EN 1015-12:2000	≥ 0.5 MPa

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

## APPLICATION

### COVERAGE

25Kg bag will cover 1m<sup>2</sup> @ 11mm  
2.25 Kg / mm / m<sup>2</sup>

The coverage figure given is theoretical due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced

### APPLICATION

#### Surface preparation

- Ensure that surfaces to be rendered are clean, sound and free of dust, release agent, fungi and/or any material which may affect adhesion
- Remove all traces of plaster, paint, etc
- All unsound areas, flaky or peeling layers must be removed and repair
- Construction of the masonry must be compliant with DTU 26.1 / 20.1
- Day before the application - pre-wetted up to saturation point
- Day of application – surface should be moistened (not wet) prior to the application
  
- On concrete surface such as ceiling / beam / column..., first apply a 2mm coat of cement-based key-coat/primer **MEP®. PRIM PRO**

Notes: New walls must be allowed to cure for minimum periods to ensure that movement does not affect the rendering

## Mixing

Mixing ratio: 4.5 lts (+/- 0.5lts) water per 25 kg bag

- Gradually add the powder into the required water quantity while mixing to avoid lumps forming
- Mix thoroughly to a creamy consistency
- Allow mix to gel for 2-3 min and then remix before use  
*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*

## Application (Suitable for machine or manual applications) <sup>(2)</sup>

For float smoothed finishes for receiving a painted or decorative finish.

- **MEP®. CREPI PRO** should be applied directly on concrete block or “primed” concrete surface by hand troweled or spray applied
- Level, ruled and lined to a maximum thickness of 15mm
- Wait for the mortar to set sufficiently before final profiling and finish using a trowel, wooden, plastic or sponge float according to the desired effect

For base coat finished for receiving tiling

- Apply one level, ruled, lined and compact 15 mm thick coat. Give a rough finish to optimize mechanical bonding

## Reinforcement – Alkaline resistant fiber glass mesh \_ MEP®. TRAME 09

Where the block wall joins the slabs, columns, or lintels in door and window frames, particular points are formed in the façade, where stress from the works builds up. Consequently, they must be treated appropriately to prevent the one coat render cracking

- At the junction between masonry and chaining, lay a strip of MEP.TRAM reinforce mesh suitable for this use overflowing 15 cm above the floor and 15 cm below the 1st joint of the underlying masonry
- At the junction between different materials, bridge with an overflow of 15 cm on both sides
- 50 x 30 cm mesh must be laid in the corners of the door and window frames
- Good practices \_DTU 26.1 / DTU 20.1

## LIMITATION

Do not use on:

- Gypsum
- Paint
- Wood
- Weak mortar or plaster
- All type of metal : steel, aluminum ...
- Other substrate not mention in tds

## RECOMMANDATIONS

- Do not apply in wet weather, or in temperatures below 5°C or over 35°C
- Dampen the substrate prior to application
- Avoid application under a full sun or on a very hot surface. This can cause shrinkage cracks and/or the loss of mechanical strength in the one coat mortar applied
- To prevent it from drying too quickly in windy condition, it is preferable to protect the surface receiving direct dry warm winds
- Optimization of the curing - The day after the application, it is possible to moisten the plaster from the bottom up with a jet set in fog to rehydrate it. Do not perform this operation in direct sunlight
- Do not apply more than 15 mm or less than 3 mm thick

## REMARKS

- (1) *The float/sponge/trowel smoothed finishes produce some micro cracking effect on the render surface which may affect the aesthetical appearance but does not affect its durability*
- (2) *Due to shrinkage differentials, avoid applying a thicker top coat application as the shrinkage values of a thicker top coat could cause the render to delaminate from the substrate*

## PRACTICAL INFORMATIONS

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- 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: Spray machine, trowel, sponge

## IMPORTANT NOTE

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### 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](http://www.mep.co.mu)*