

## MONNELI NEOCEM SCREED 30

*Pre-mixed Floor Screed*

### Product Description

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Ready to use cement based floor screed. It is a single compound formulated specially from hydraulic cement, graded aggregates, silica sand, fiber and special chemical additives. It is ideal for leveling and smoothing uneven floors prior to laying decorative floor coverings, carpets, floor tiles, or any other finishing.

### Uses

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NEOCEM SCREED 30 can be used as follows:

- Can be applied on any type of support as long as it is not subjected to rising humidity, like old or new concrete and stone. It is used to level horizontal surfaces prior to laying floor coverings.
- Used to produce bonded screeds in internal areas.

### Advantages

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- Excellent workability properties, good compaction
- High strength and resistance to construction traffic
- Eco-friendly - Low VOC

### Instructions for Use

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#### Surface Preparation

The base concrete should be sound, clean free from loose material, lime, gypsum, plaster, grease laitance, dirt curing compound. The surface must be well prepared for bonding by scabbing to expose the coarse aggregate. Fix any screed battens to level. The surface should be swept to remove any loose material and wetted with clean water if the screed is placed in direct contact with the base.

#### Priming

NEOCEM SCREED 30 can be laid as a bonded screed by applying SBR Bonding Slurry to prepared concrete substrate as a bonding and priming layer. To prepare the

SBR bonding slurry, mix 1 part of SBR LATEX RIPRESA, a SBR with 2 parts of clean water and add 3 parts by weight of fresh cement and mix until a smooth consistency is prepared.

Scrub the mixed slurry into the concrete surface, while the slurry is not yet dry; apply NEOCEM SCREED 30 in order to ensure good adhesion with the substrate.

#### Mixing

Pour into a container 6-7 liters of water for 50 Kg bag of NEOCEM SCREED 30. Add the powder screed to the water and mix with a low speed electric drill fitted with a suitable paddle, until a uniform, lump free consistency mix is achieved. No further water should be added to the mix particularly once its start to set.

#### Application

Pour the mixed product onto the surface and spread to the level about 10 mm above the bottom i.e.: giving it a surcharge. Then tamp down the screed heavily to the level to give a full compaction. Strike off excess screed material until the top level (above the batten) by running a straight edge ruler alongside it.

Fill any slightly low areas, re-compact and rule out. Finish the section of the screed laid by wood float and steel trowel.

#### Curing

Curing of the completed floor shall be carried out using a combination of damp hessian and polythene sheeting for a period of no less than 3 days.

#### Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened material should be removed mechanically.

#### Recommendations

- During summer season or temperature higher than 35°C, working area should be covered to prevent the direct sun effects. Keep equipment cool and use cool water

- Protect the freshly applied NEOCEM SCREED 30 from direct sunlight and/or strong drying wind
- NEOCEM SCREED 30 should be cured for minimum 3 days with clean water
- Most floor covering can be laid after 7 days
- When applying the screed over tongue and groove timber floors or other surfaces, it is recommended to reinforce the screed with expanded metal or galvanized wire mesh
- Do not use where negative hydrostatic pressure is evident (i.e. rising damp)

## Technical Data

Properties	Results
Appearance	Powder
Color	Grey
Density at 25°C	2.0 kg/L
Workable time at 25°C	>30 mins
VOC	0.2 g/L
Aggregate size	0-5mm
Compressive strength at 28 days (BS EN 196-1)	25 N / mm <sup>2</sup>
Flexural strength at 28 days (BS EN 196-1)	7 N/mm <sup>2</sup>
Tensile adhesion strength (BS 1881)	2.5 N/mm <sup>2</sup>
BRE screed test (BS 8204 Pt.1)	2.1 mm
Shrinkage test (ASTM C531)	0.02%
Open to foot traffic at 25°C	48 hours
Full traffic use at 25°C	28 days
Service temperature	-5°C to +80°C

All values are subject to 5-10 % tolerance

## Consumption

2.0 Kg/m<sup>2</sup> per millimeter of thickness

## Packaging

NEOCEM SCREED 30 is supplied 50 Kg bags.

## Storage

Keep in sheltered and dry place with a temperature between +5°C and +35°C. Shelf life is 12 months from date of production if stored properly.

## Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

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