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care**

weber **CEMENTONIC+**<sup>TM</sup>



Powder based high-performance additive, for traditional tile-laying method, using a cement slurry over freshly laid screed



## Product Description

**weber CEMENTONIC™** is a powder based high performance additive, for traditional tile laying method, using a cement slurry over freshly laid screed. It is to be mixed with cement slurry. In addition, **weber CEMENTONIC™** can also be used to enhance the strength of the screed. Use of **weber CEMENTONIC™** greatly reduces the total cost of application, by vastly decreasing the consumption of cement slurry, and decreasing the curing time.

## Features and benefits

- Multiple use - can be used to improve performance of cement in any use.
- Specially use for cement bedding (screed) and cement slurry for conventional laying tiles.
- Easy to use - powder type material, easily blends with cement slurry and also prevents segregation.
- In depth penetration of modified cement slurry increases the strength of overall system.
- Imparts self-curing properties of the screed and slurry.
- Increases cohesive strength of the cement bedding (Screed), and also increases the bonding between the tile and screed.
- Greatly increases pot life, ensuring higher speed of tiling and no wastage.
- Imparts adjustability time for tiling done in traditional method.
- Easy to use and economical as lesser slurry consumption.
- Minimum possibility of shrinkage cracks in screed.

## Area of application

- For making cement screed bed for tiling.
- For laying tiles on to freshly laid screed using traditional method of tile fixing.

## Limitations

- Not to be used on pre-set screed.
- Not to be used on wooden, metal or glass substrates. Use Weberfix Drywall for fixing tile on wood. And Weberfix PU for other substrates.
- Only to be used for floor application.
- Additives for cement slurry are not a substitute for tile adhesives and is to be used only as a strength enhancer where traditional method is being used.
- If waterproofing required to be done, should be done using weber waterseal 321 prior to applying the screed. Use twice the quantity of **weber CEMENTONIC™** for best results.
- For best results and long-lasting tiling, always use weber tile adhesives, over fully cured cement bed, screed or other substrates.

## Method of application

For cement bedding (screed)

### Surface Preparation

- Clean the substrate of oil stains and bond inhibiting compounds, dirt, dust and laitance, if any, using high pressure water jet or any other suitable method.
- Make sure the slab is sufficiently cured, so as to prevent any shrinkage cracks.
- Saturate the surface well and remove excess water before starting the screeding activity.

### Mixing

- For cement-sand bedding (machan), mix 300 gms of **weber CEMENTONIC™** in 1 bag cement (50 kg) and add this fortified pre-mix (mixer of cement & **CEMENTONIC™**) with sand in the ratio between 1:4 to 1:6, or any standard ratio as per industry best practices.
- Mix mortar thoroughly, till there uniform mix.
- Slowly mix the dry mortar with adequate water to bring to the desired levels and consistency.

- Water dosage can be decreased / increased depending upon cement and sand available at site to achieve the desired consistency for application.

#### Applying

- On SSD surface spread the material uniformly to meet the desired thickness as per leveling bed required.
- Compact the mortar well, while levelling the bed.
- Proceed with tile laying if using the wet-on-wet method or allow curing for atleast 7 days, before fixing tiles, using thin set tile adhesives.

### For tile laying (wet on wet application)

#### Surface preparation (for Best Practice)

- While laying the bed (screed) ensure the top mortar is kept rough.
- Bedding (screed) should be levelled with minimal undulation, to ensure proper transfer of adhesive to tiles.
- Ensure the bedding is not old or cured, and is free from contaminants like debris, dust etc, before using the fortified slurry.

#### Mixing

- Add 50 kg of cement to 20 L of water to make smooth, flowable and lumps free cement slurry. (\*Add additional quantity of water if required)
- Gradually add 300 gms of weber **CEMENTONIC<sup>+</sup>**™ in cement slurry
- Mix thoroughly to achieve lumps free mix(add water if required). Allow the mix to stand for 2 minutes before using

#### Application

- Pour the mix described above, over fresh compacted screed, and spread the slurry to a uniform thickness of 1 - 2 mm.
- Carefully place the tile/stone onto wet, sticky fortified slurry.

- Use spacers, to leave enough space between tiles, as per the tile manufacturer recommendations.
- Stroke the tiles using a rubber mallet, to level the tiles, and ensure the tile is perfectly imbedded in the soft screed.
- It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved.
- If the slurry is skinned over, remove the slurry and replace with fresh slurry.
- If necessary, tiles should be adjusted within 5 minutes of installation.
- Carefully clean off any excess slurry from the tiles and joints with a damp sponge or cloth before it sets.
- Leave for at least 72 hours before grouting.

### Note to specifier

- Ensure screeding is done as per IS 1443 or as per standard construction practices
- Use primer 401, corner treatment with stickon tape and two component waterseal 321/221/121 for comprehensive waterproofing, before screeding, where waterproofing is required.
- To get excellent stain resistance on stone, use hydrophobic and oleophobic impregnator weber stonesseal.
- To match joint with the colour of tile/stone, use weberepoxy easy or weberPU 1KEZY, available in wide range colours.
- To get invisible joints between stones, fill with specially formulated weber pearl armor™ speciality grout.
- To get highly aesthetic appeal, fill joints with weber knight armor™ specialty grout.

### Grouting and sealing

Joints to be grouted after 72 hours of application of use laying tiles using weber epoxy grout's. It can also be grouted with webercolor dewdrop along with weber groutadd.

## Ready for use

Surfaces are ready for use, after 28 days, post completion of grouting.

## Packaging

300 gm pouch, for ease of handling & usage and reduction of wastage.

## Condition of sale

Sold subject to the company's condition of sale which are available on request.

## Caution

There may be irritation caused in eyes and skin in case of contact for a very long time. Please seek medical help if the problem persists for a long time.

## Disclaimer

The user should determine the usability of the product for its intended use. Our products are manufactured under the Saint-Gobain quality standards and subjected to strict quality and control procedures. Since the company has no control over site conditions and the installation procedures, the company would not be responsible under any circumstances for any loss, damage, or liability from incorrect usage.

## Product details and performance

Physical state	Powder
Colour	White
Density	0.88 gm/cc
Mixing ratio for screed	300 gm in every 50 kg of cement
Mixing ratio for Slurry	300 gm in every 20 liters of water* with 50kg of cement

**# for wall application please contact to weber technical experts**

When used in cement slurry, in the prescribed ratio:

Property	IS 15477- 2019 Type 1	Fortified with weber CEMENTONIC™
Tensile adhesion strength dry condition @ 28 days	> 0.5 MPa	0.55 to 0.75 MPa
Shear adhesion strength dry condition @ 28 days	> 1 MPa	1.05 to 1.31 MPa
Open time	As per manufacture	20 to 25 mins
Adjustability	As per manufacture	20 to 30 mins

\*Add additional quantity of water to make smooth and flowable, lumps free slurry.

\*Grouting period may vary depending on weathering condition & application methods.



FDS / SDS / DoP  
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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