

CIKOtile BS40

Thick-bed, high strength cement based bedding screed

Description

CIKOtile BS40 is a one component cement based high strength thick bedding screed designed for applications ranging from 30mm up to 100 mm followed by a slurry layer to fix stones, granites, marbles or any other type of tiles.

CIKOtile BS40 is a factory blended powder consisting of cement, adhesion enhancing polymers, graded aggregates, water retention agent, rheology modifier etc.

Properties

- Single component product.
- Easy to mix and use requires only addition of water
- Fixing pre-casted stones, ceramic, marbles, granite & natural stones over concrete.
- Good bond strength
- High compressive strength
- Good water resistance.
- Excellent adhesion in the wet stage during application.

Application area

CIKOtile BS40 is a high quality bedding screed used for interior and exterior applications such as:

- Fixing precast stones, granite, marble and natural stones.
- Indoor and outdoor.
- Residential and commercial buildings.

Physical Properties

Form	Powder
Colour	Grey
w/p	0.08-0.09
Compressive Strength EN 12390 @ 28 days	>40Mpa
Fresh Density (g/cm ³)	2.25 ± 0.05
Maximum size of aggregate	6 mm

Coverage

Each bag of 25 kg CIKOtile BS40 yields to 11.5-12.5 L and provides coverage for bed applications as follows.

30mm thick solid bed	0.38 to 0.41 m ²
100mm thick solid bed	0.11 to 0.12 m ²

Coverage rate may vary depending on substrate conditions and finish. Bedding thickness can be maintained from 30 mm to 100 mm.

Application instructions

Surface preparation

Substrate surface should free from dust and loose particles. In case of traces of oil and grease, the surface shall be treated by acid etching or chemical degreaser. Curing compounds and sealers, if present, must be removed by mechanical means.

Priming

Proper bonding of the bedding screed is achieved by either fully saturation of the substrate with water (any ponding water should be removed) or by applying CIKObond SBR at a rate of 0.12 up to 0.15 L/m² and allow to become hand touch tacky prior to the application of CIKOtile BS40.

Mixing

CIKOtile BS40 should be mixed with 2-2.25 L of water for each bag of 25kg. Use either a heavy duty slow speed drill-paddle assembly or concrete mixer for mixing. The properly mixed material should be homogeneous with trowel-able consistency.

The amount of water should be minimal to attain the optimum properties of the bedding screed.

Note: In hot weather application, use chilled water to extend the working time of the mixed material.

Application method

Spread the mixed material over the hand touch tacky primed surface to a uniform thickness. Level the applied surface using a steel trowel or aluminium bar as required.

For tile installation prepare a slurry mix consisting of cement and CIKObond SBR at a ratio 2:1 by weight.

Pour the properly mixed slurry over the levelled bedding screed whilst wet at a thickness of 2 to 3 mm and immediately install the tile or stone.

Protect the tiled surface from light traffic for at least 24 hours.

Packaging

CIKOtile BS40 is available in 25kg and 50kg moisture resistant bags.

Shelf life

CIKOtile BS40 has a shelf life of 12 months in un-opened bags and if stored in accordance with CIKO instructions.

Storage

CIKOtile BS40 should be stored under enclosed shaded area at temperatures between 5 °C and 45°C.

Health & safety

Use standard dust mask to avoid inhalation of dust. Powder when wet or moist can cause burns to skin and eyes which should be protected during use. If comes in contact with skin/eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries