BCI BUILDING CHEMISTRY INDUSTRY

BC Level Screed

Product Description:-

BC Level Screed ,Self Leveling Underlayment is a one component, durable and versatile cementitious underlayment for exterior and interior concrete, and cementitious substrates. It can be applied manually or by pump to produce a self-smoothing, rapid-setting, flat and economical substrate prior to the application of a final floor finish
Typical application thickness is 1/8 to 2 inches* (3 to 50 mm). in localized

External and internal floor leveling compound and smoothing applications where floor coverings are to follow, such as

Institutional - schools, colleges, hospitals, clinics,
Libraries, Galleries, Museums
Commercial - offices, corridors, hallways, canteens,
Cafeterias, Stores, Hotels, Restaurants
Residential - domestic properties, condominiums and
High Rise Construction

Characteristics / Advantages:

Easy and quick to install
Zero VOC content and low odor
Self-leveling
Manual or pumpable application
Levels new and renovates old floors
Suitable for overcoating with non-moisture sensitive tile after 2–3 hours
Excellent underlay for tiles, sheet products and wood floor bonding systems
Is polymer modified and contains a rapid hardening cement

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

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Product Information
Chemical Base Cement-based, polymer-modified binder system and fillers
Technical Information
Compressive strength Values

Duration	10 °C	23 °C	30 °C	(ASTM C-109) Tested at: 73 °F (23 °C) 50 % R.H.
24 Hours	1000 PSI	1250 PSI	1390 PSI	
7 Days	1625 PSI	2500 PSI	2600 PSI	
28 Days	2875 PSI	3750 PSI	3120 PSI	

Flexural Strength(28 Days)	1,150 psi (8 MPa)	(ASTM C348)
Tensile Adhesion Strength	290 psi (2 MPa)	3/16" (5 mm) thickness >
Thermal Resistance	Suitable for use with underfloor heating systems	

Packaging 20 kgs bag:

Appearance / Color Concrete gray
Shelf Life 12 months from date of production if stored properly in original, un opened and undamaged sealed packaging
Storage Conditions ▪ Store dry at 41 to 86 °F (5 to 30 °C).
Condition material to 65 to 75 °F (18 to 24 °C) before using.
Protect from moisture. If damp, discard material.

Cleaning Of Tools:

Clean tools in water immediately.

Disposal:

Empty packaging and dispose of in accordance with federal, state and local waste disposal regulations.

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ISO 9001 QSCert | OHSAS 18001 QSCert | ISO 14001 QSCert

Application Information:

Mixing Ratio 3.79 L of water per 20kg)bag
Coverage Depth Sq. Ft.
1/8" (3.2mm) 42 ft2
1/4" (6.3mm) 21 ft2
1/2" (12.5mm) 11 ft2
1" (25mm) 5.3 ft2
Pot Life Approx. 25 minutes
Foot Traffic: 2–3 hours for foot traffic

Surface Preparation:

All substrate must be dry, stable, sound and free of all contaminants such as grease, oil, paint, wax, dust, curing and sealing compounds that will interfere with the penetration the primer

Mixing:

Pour cool potable water into a suitably sized and clean mixing container, using a calibrated measuring jug, or similar, to ensure strict control of the water content
Mix with a high-speed drill (more than 650 rpm) and an egg beater style mixing paddle to blend water and powder for approximately 3 minutes, until a lump-free and uniform mix has been produced
Donot allow the paddle to rise above the level of material as this will introduce and entrap air into the mix, potentially shortening the working life or causing pinholing in the underlayment
Let the mixed material stand until the majority of air bubbles have dispersed.

Application:

Pour the mix and spread using a smoothing trowel. Even surfaces are easily achieved using a pin leveler. In higher thickness using a spike roller is recommended. Avoid contact to vertical structures by putting in an edge strip such as foam tape
If a second layer of leveling compound has to be applied, prime the first layer with Sika® Level Primer when the first layer is walkable The maximum layer thickness must not be exceeded in case of two layer applications The second layer must not exceed the layer thickness of first