

HighBuild SC

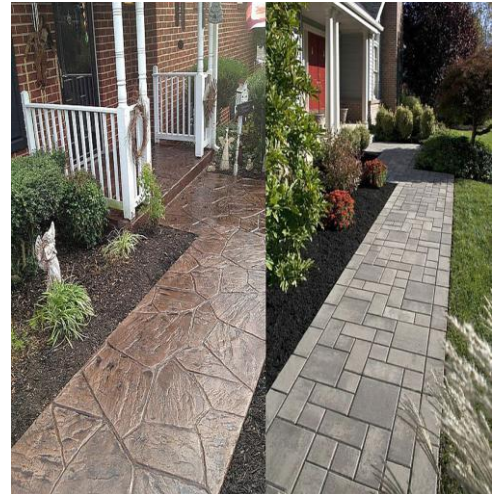
Cement based surface hardener for stamped concrete

Product Description

HighBuild SC is a cement based surface hardener for stamped concrete which consists of granulometric thin aggregate, strengthened with chemical additives, is resistant to corrosion, impact, and highly durable. It is applied via stamping mats on fresh concrete.

Areas of Application

- Loading-unloading areas.
- Pool sides, touristic sites, and beachside walking ways.
- Squares, villas, sites and apartments.
- Speedways, parks and gardens.
- Subways, car parks, garages, car maintenance and fuel stations.
- In new furnishing of fair areas, shopping malls, houses and trade buildings and all concrete surfaces.



Advantages

- High abrasion and impact resistance – Long service life.
- Easy to apply.
- Provides monolithic floor.
- U.V. stable pigments.
- Premixed, ready to use.
- Non rusting – Suitable for wet environments.
- Non-slip – Improved safety for personnel and forklifts in wet environments.
- Dense surface – Resists oil and grease penetration.
- Able to apply at higher ambient temperatures – Wide application range.
- Available in various standard colors.
- Decorative finish as a finished stamped concrete floor.



Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Standards

HighBuild SC complies with EN 13813, Class CT-C35-F5-AR6

Method of use

- All form e should be erected properly to the correct levels prior to placing the concrete.
- HighBuild SC should be applied when a 3-6 mm thickness of foot print is left on the surface upon stepping down on the concrete.
- There shouldn't be much water on the surface. Accumulated water must be taken away from the surface and it must be moist.
- 2/3 of the material that will be used is spread on the surface homogeneously and waited for every part of it to become evenly moist (color change should be observed).
- When the floor has an even, solid color appearance, the surface should be floated using magnesium "Bull-float".
- Material is fed into the concrete by tray glazing and concrete integration is ensured. Rest of the 1/3 material part is spread on the surface homogeneously in the same way and waited for every part of it to become evenly moist (color change). Then, it is fed into the surface and glazed.
- Prior to imprinting, the trowelled floor should be covered with powder release agent " HighBuild RA " at a rate of 200 – 300 gr/ m² .

Note : HighBuild RA is cement based, stamping mat removing powder which prevents the mat form sticking to the fresh concrete and gives a worn-out look on the floor in stamped concrete applications. It is used with any kind of stamped concrete hardeners.

- The crew should be equipped with a minimum of 6 or more mats and a floppy. Adequate and enough hand tools should be available to complete the whole area.
- Using reference line, begin by placing the first mats using this line and move across the floor. When stamping, the mats should be tamped using a special pounder without delay.
- The finished floor should be left for a minimum 3 – 4 days to set.
- All excess powder release agent " HighBuild RA " should be brushed off and then cleaned using pressurized water.

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- The floor must be completely dry before the sealer coat " SuperCoat SC " is applied.
- The floor surface must be sealed using " SuperCoat SC " . The first coat should be applied at a rate of 0.200 - .300 Kg/m². A second coat can be applied if required after the first coat has dried.

Note : SuperCoat SC is solvent based, transparent varnish material that provides high resistance against UV rays and corrosion. Does not fade and enhances hardeners.

Technical Data

Property:	
Colour	Available in various standard colors
Maximum wear depth : BS EN 13892 -4	0.5 .0.6 mm
Flexural Strength : BS EN 13892 -2	> 5MPa
compressive strength : BS EN 13892 -2	> 40MPa
Impact resistance (LA Rattler)	40% weight Loss (40MPa concrete has 70% loss of weight)
Hardness	Mohs scale : 9

Consumption

Approxitimately 3.5 to 5.0 Kg/m²

Concrete preparation

- Water / cement ratio should be less than 0.5 .
- Recommended concrete slump between 70 mm to 125 mm.
- Cement content should be more than 300 Kg/m³.
- The concrete must be compacted well.
- PP Fiber "Polypropylene fiber" (12mm length) shoould be added to the concrete mix at the rate of (0.6 Kg/m³) of concrete to minimize the cracks due to shrinkage.

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Packaging

HighBuild SC is available in 25 Kg craft bag , and HighBuild RA is available in 20Kg bag.

Storage

Its shelf life is approximately 12 months in a cool and dry place.It should be stored provided that maximum 6 sacks are on top of each other.

Cleaning

All tool should be cleaned immediately after finishing with fresh water.

Fire

HighBuild SC is nonflammable

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