



Quart Max

Surface Shake-on Hardener Natural color

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Description:

A unique combination blend of selected Silica Quartz sand aggregates and specialty cements with additives. Product produces hardness and density on the surfaces of normal regular concrete to produce an abrasive resistant floor. The color is a natural gray cement color (non pigmented).

Uses:

Used on freshly poured horizontal flatwork concrete where there is heavy traffic use. Also for residential and commercial applications where there is abrasive use or durability problems due to heavy traffic.

Limitations:

As with all fresh concrete, curing is a necessary to achieve a surface free from rapid surface drying defects and efflorescence. Use a membrane type curing and/or sealing compound meeting ASTM C-309.

Rate of application :

For industrial pedestrian traffic applications, use no less than 50 pounds per 100 Sq./Ft.

For commercial areas prone to abuse no less than 70 pounds per 100 Sq./Ft. The rate of 1 pound per Sq./ft. is the general rule of thumb for normal to heavy use.

Installation:

Start application as soon as the concrete is floated and surfaces start to turn dull. Pay special attention to slumps, sub grade load bearing, drainage capacity and evenness of base to avoid possible crack developing. Use normal grade concrete of at least 5 sacks of Portland cement per cubic yard without high range plasticizers or excessive air entrainment that can create bleeding under the hardener causing blisters and pop outs as with high dosages of Fly Ash. Do not use any type of Calcium Chloride accelerators.

Adjust timing when broad-casting the Shake-on to the surface to provide sufficient support and moisture for bonding and wetting out. This provides the proper finish. Avoid adding any surface moisture that could cause staining and color inconsistency. If the surface does not produce adequate moisture, adjust the timing to apply the hardener early on in the process.

Care should be taken when a finish is not possible because the concrete has not produced enough moisture to wet out the coating.

Usually over high strength concrete and higher hardener dosages, good timing is essential to produce a good finish. You could consider a water fog to add minimal but necessary moisture to float and produce a good surface finish, but only as a last resort.

The use of fibers and water reducers in high dosages are not recommended because they provide little bleed-water necessary to wet out these type of products.

This material is to be used by experienced craftsmen familiar with a proper product installation.

Sealing:

After all surfaces become firm, a liquid surface hardening compound can also be applied to further seal moisture penetration and maximum hardness.

A membrane type cure and seal meeting ASTM C-309 can also be used.

Packaging and Shelf life:

50 pound pails or multicoated paper valve bags.

Bagged material shelf life is 3-6 months stored in a dry cool place.

50 pound plastic pails: one year when stored inside in a dry cool place.

Applicable Standards:

Fresh concrete shake-on type hardening compounds for industrial and heavy surface uses.

Product Safety:

Avoid inhalation of dust. Use a mask, eye and skin protection. Contains silica and Portland cements which can be harmful with prolonged exposure.



Warranty:

When product is used according to directions; warranty is limited to the refund of the purchase price if deemed defective at manufacturer. Products exceeding their shelf life are excluded from this warranty. Products are intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on their use, installation or product suitability.

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