

Sopra Floor Hard Top

Non-Metallic Shake-On Floor Hardener

Description

Sopra Floor Hard Top is a mixture of silica sand and finely graded non-metallic aggregate blended with special plasticizer and cement. It cures to provide a dense, non porous surface which is hard wearing and abrasion resistant.

Uses

Sopra Floor Hard Top is used for floor surfaces subject to light or heavy traffic or when colourful abrasion resistant floors or non-dusting floors are specified.

It is suited for all industrial areas subject to the heavy traffic i.e. loading bays, car parks, workshop, etc. It can be used indoors and outdoors.

Advantages

- * Forms a monolithic bond with base concrete.
- * Non-fading colours.
- * Available in a range of colours to improve working environment.
- * Non-dusting material.
- * Ready to use.
- * Resistant to oils and greases.
- * Provides a hard, abrasion resistant surface.

Packaging

25 kg bag.

Storage

12 months storage life when stored in original unopened bags in a cool, dry and shaded place.

Properties

| | |
|-----------------------------|--------------------|
| Form | Powder |
| Colour | Black, grey, brown |
| Coverage, Kg/m ² | |
| Light traffic | 2-3 |
| Medium traffic | 4-5 |
| Heavy traffic | 6-7 |
| Coloured floors | 6-7 |

Application Instructions

Surface preparation:

The following directions and ACI 302 should be carefully followed when applying Sopra Floor Hard Top.

Apply Sopra Floor Hard Top on well designed, non-air entrained concrete mixes. If unusual conditions exist such as direct hot sun, high winds or low humidity, care should be taken to protect the slab during dry shake placement. Keep air content of the concrete below 3%.

Check the specification for the amount of floor hardener required per square metre, then stack the correct number of bags at each bay to be spread in one day. This is important because it gives the finishers a measure for applying the right amount of material. After the above conditions have been met, proceed with work in the following manner.

Place concrete between screed points and strike off to level the finished floor.

Use a bullfloat to level the surface. Remove any bleed water by dragging the surface with burlap, rubber edge or a sponge.

After the concrete has stiffened to the point of supporting floating operations, open the surface by hand floating or power floating.

Normally, a finisher's footprint of 6-9 mm in depth indicates that the slab is ready for power floating.

For best results and uniformity of thickness, Sopra Floor Hard Top should be applied in two shakes using approximately two-thirds of the total amount for the first shake.

Immediately after the surface has been opened by floating, apply the first shake in a uniform application by hand, spreader or other suitable method.

Allow the first shake to remain unworked on the surface until it has absorbed moisture and achieved a uniform colour. Then, float with hand or power float. Immediately after that, apply the second shake again placing the material on the edges of the slab first.

Apply the second shake and float in a manner similar to the first shake.

Troweling

Flat steel troweling followed by raised steel troweling is required for typical finishing. The troweling operation is similar to finishing a normal industrial floor.

Finishing

Finish the dry shake to the desired texture. Maximum abrasion resistance will be realized with a hard, smooth steel trowel finish. Do not add additional water to the surface during the finishing operation.

Curing

Sopra Floor Hard Top should be cured by either fresh water or by a water based curing compound, such as Sopra Cure WB.

Precautions

Health and Safety

Sopra Floor Hard Top is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

Technical Support

Sopra provides on-site assistance and consulting services on projects when requested. Technical data sheets on other Sopra products and guidance on their use are available on request.

Warranty

Sopra products are guaranteed against defective materials and manufacture and sold subject to Sopra standard terms and conditions of sale. Whilst Sopra endeavours to ensure that any advice, information or recommendation given is correct, the company can not accept any liability either directly or indirectly arising from the use of its products, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Sopra policy is one of continuous improvement and the company reserves the right to change its products without prior notice.