

ARACO HARDTOP

Single Component Cementitious Floor Hardening

Product Description

ARACO HARDTOP is a floor hardening compound which contains mineral aggregates (fracture basalt) selected for their physical properties of wear and abrasion resistance modified with special cement and additives.

ARACO HARDTOP is a development of typical properties of the pre-mixed cementitious material meets the requirements for ASTM C 944.

Applications

ARACO HARDTOP is pre-mixed heavy-duty cementitious floor hardener for the following application: -

- Industrial areas subjected to heavy traffic.
- Car parks, workshops, breweries and loading bays.
- Power stations, laboratories and warehouse floors.

Product Advantages

- Provides abrasion resistant floors of high impact resistance.
- Ready to use.
- Available in various colors.
- Hard, dense surface monolithically bonded to fresh concrete.
- Good resistance to oils and grease by reducing surface porosity.
- Non rust characteristics when wet.
- Low cost and minimum maintenance

Product Data

Characteristics

Composition	Selected grades of sand, special cement, fracture basalt and additives.
Appearance	Powder
Color	Grey
Storage Condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
Shelf Life	6 months minimum from production date if stored properly in original unopened packaging.



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PACKAGE	20 Kg
CONSUMPTION	Light duty 2 - 3 Kg/m ² Medium duty 4 - 5 Kg/m ² Heavy duty 6 - 7 Kg/m ²

Product Application

Mark area to be treated with each batch of the blend. Sufficient material should then be laid out to meet the recommended spread rate mentioned before. Start application when foot traffic leaves a 2 -3 mm-deep mark.

ARACO HARDTOP must be applied in two separate operations:

First operation

- The first application should consist of exactly half the total material required for a given area.
- Apply blend on the concrete as soon as surface water has disappeared from the concrete.
- Allow the concrete surface to become saturated with moisture from the base slab. Do not add water
- to the surface to assist the floating application.
- The surface must not be over-worked, use wooden-floats on large areas if necessary.
- Float the material into the surface by hand or mechanical means, which only can be carried, out when
- the floor has stiffened sufficiently, otherwise a long handled bull float may be used.

ARACO FOR ADMIXTURES & CONSTRUCTION MATERIALS S.a.l.

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Second operation

- Immediately after floating, apply the remaining quantity of **ARACO HARDTOP** float in the same way as before.
- Wait after floating till the water is absorbed, then begin the first steel troweling. Use a mechanical or hand trowel. Do not over-trowel.
- When the concrete surface has sufficiently stiffened the blades of a power float can be used to achieve the final setting.

Curing

Treat concrete floor with **ARACO CURE W** curing compounds or any approved curing methods

TECHNICAL DATA

Density Powder	1.40 Kg/L \pm 0.05	
Hardness (Mohs scale)	7	
Resistance to wear	1,000 cycle.	
Compressive Strength at 28 days	70 Mpa	ASTM C109
Abrasion Resistance improve	225%	

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to hands. In contact with eyes or mucous membrane, flush immediately with plenty of warm water and seek medical attention without delay.

Legal notes

The information, recommendations and application - based on ARACO current knowledge and experience of the products when properly stored, handled and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and are sold subject to its standard conditions. Users should always refer to the most recent Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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