

# CIKOpave TOP

Smart Chemical Solutions



## Dry shake concrete floor Hardener for stamped concrete

### Description

CIKOpave TOP is a premixed dry shake surface hardener applied over newly placed concrete.

CIKOpave TOP is a balanced blend of cement, selected aggregate and special additives to maintain the properties of an ideal dry shake having a smooth finish with a high abrasion and wear resistance.

### Properties

- Easy to apply (premixed bags)
- Monolithic floor will be obtained
- UV stable pigments
- Good resistance to wearing and abrasion
- Wide range of colours

### Application area

- Driveways
- Parking areas,
- Side walks
- Warehouses
- Garden landscaping
- Areas where decorative finishes is required

### Physical Properties

|                                    |                                    |
|------------------------------------|------------------------------------|
| Form                               | Powder                             |
| Colours                            | Wide range of colours is available |
| Compressive strength<br>ASTM C 109 | >35 N/mm <sup>2</sup>              |
| Flexural strength                  | >5 N/mm <sup>2</sup>               |

### Application instructions

Make sure the concrete surface is well levelled and cleaned from any loose and unsound materials.

Any traces of oil, grease, dirt, paint etc shall be completely removed from the surface. All residues should be completely removed by vacuuming.

Prior to the application of the material make sure the surface is free from water and any bleed water still present should be removed.

Also the concrete surface must be floated using a wood or magnesium Bull-float prior to the application of colours hardener CIKOpave TOP.

Light foot traffic leaving an imprint of about 3mm to 6mm will be the best time to apply CIKOpave TOP.

As a first layer, only two third of the materials must be spread with a rate of 3 to 5kg/m<sup>2</sup> and allowed to absorb the moisture from concrete surface. Once the surface colour appeared to be solid float it again by the Bull-float.

The rest of the materials should be spread evenly and floated again. And then using a blue steel trowel eliminates any unwanted float marks.

Once this step is done, the pavel release agent must be spread at a rate of 5 to 7 m<sup>2</sup>/kg. (refer to CIKOpavel Release TDS for further information).

Using a reference line, the applicator should place the first mat and start moving across the slab. Directly afterward the matt should be tamped using a special pounder.

Once stamping is finished, the surface should be left for a minimum of 2-3 days to set afterward all excess release agent must be removed by brush then cleaned by pressurized water.

To finish the slab must be completely dry and a sealing coat should be applied.

### Coverage / Rate

25 kg bag of CIKOpave TOP should be applied at the rate of 3-5kg/m<sup>2</sup> depending on the colour.

### Precautions

The concrete used must achieve a hard surface with high abrasion resistance:

- Recommended slump between 75 mm and 120mm
- W/C ratio should be less than 0.5 (CIKO water retention admixture will help achieving this ratio)
- Proper concrete compaction and levelling is a must
- Concrete must contain proper polymers to minimize shrinkage cracks.
- During the stamping process, the applicator must be equipped with all necessary tools to complete the whole area
- A minimum of 6 or more mats must be available

### Packaging

CIKOpave TOP is available in 25kg bags.

### Shelf Life

CIKOpave TOP has a shelf life of 12 months if stored in accordance with CIKO instructions.

### Storage

CIKOpave TOP should be stored under cool enclosed shaded area and temperatures between 2 °C and 50 °C.

### Health & safety

Use standard mask to avoid inhalation of dust. Powder can cause burns to skin and eyes which should be protected during use. If comes in contact with skin/eyes, flush with plenty of fresh water and seek medical advice. CIKOpave TOP is not flammable however do not use near a naked flame and do not smoke during use. Refer Material Safety Data Sheet for further details.

### Technical Support

*For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.*

### More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control



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