



R4

HARDTOP

DRY SHAKE, MONOLITHIC CONCRETE FLOOR HARDENER

REPAIR

HARD TOP is a premixed dry shake floor hardener for concrete and screed floor. HARD TOP is a formulated from selected grade aggregate, cement and special additives to provide a non-metallic, non-oxidizing, dense and smooth surface with high abrasion and wear resistance.

APPLICATION

- Parking areas.
- Ware houses.
- Work shops.
- Service stations.
- Air craft hangars

ADVANTAGES

- High resistance to wearing and abrasion.
- Easy to apply.
- Provides monolithic floor.
- Non metallic floor hardener.
- Premixed, ready to use.
- Reduces surface dust.

CONCRETE LIMITATIONS

The following concrete limitations & properties should be considered to obtain hard concrete surface with high abrasion resistance:

- W/C ratio should be less than 0.5
- Concrete slump should be between 75mm and 100mm.
- Cement content should be more than 300kg/m³.
- Entrained air should be less than 3%.
- Proper concrete compaction and leveling is a must.

TYPICAL PROPERTIES

Property	Free flowing powder
Average rate of abrasion (dry abrasion machine)	0.24 gms/min
Chemical resistance	medium to low
curing	required
Color	grey

CLEANING

All tools should be cleaned immediately after finishing by water.

STORAGE

HARD TOP shelf life is 12 months is stored at dry conditions and temperature within 2 °C to 50 °C. If these conditions are exceeded in any respect, POLY- WED technical department should be contacted for advice.

PACKAGING

HARD TOP is available in 25 kg bags.

CAUTIONS

Health and Safety:

As HARD TOP contains Portland cement, HARD TOP may cause irritation to skin or eyes, immediately flush with plenty of water and seek medical advice if necessary. Consult material safety data sheet for more information.

Fire:

HARD TOP is nonflammable.

FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 0096626204224

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METHOD OF USE

- The right time to spread the HARDTOP on concrete surface is when light foot traffic leaves print of about 3-6mm.
- Any bleed water still present should be removed.
- Spread two thirds of the required quantity of HARD TOP on to the concrete surface and allow the material to absorb moisture from concrete.
- First floating application should start, when a uniform dark color appears (indicating material is wet).
- Either mechanical or manual floating can be used depending on a ratio be floated and the required finish.
- Apply the remaining quantity of HARDTOP evenly and wait until material becomes wet (darker in color) before floating.
- Use a power trowelling machine to make the final finish.
- Any wetting of the first or second application of HARDTOP with water addition will affect the overall quality of the floor.
- Proper curing should be maintained to the floor surfaces as soon as the surfaces is set and is not be marred by the curing method.

TIMING OF APPLICATION

- Timing of HARD TOP application is critical.
- Adequate machinery ,labor and material should be available to complete the whole area while sufficient concrete moisture is available.
- Applying HARD TOP before or after the proper application time can seriously affect the quality of the concrete floor finish.

APPLICATION RATE

HARDTOP should be applied at the following rates:

Normal rate: 3 to 5 kg/m²
Heavy duty floors: 5 to 7 kg/m²



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