

## General Description:

HD FLOORTOP # 700 is a blend of Epoxy Resins, Hardener and selected silica aggregates for a highest mechanical performance and resistance to chemical attack.

## Major Uses:

Ideal for machine shops, heavy engineering plants, chemical process areas, passenger walkways in airports when an attractive appearance must be coupled with exceptional wear resistance and laboratories subjected to mild acids and spillages. It is also widely used for commercial and industrial establishments, heavy-duty loading bays and storage.

## Advantages:

- Exceptional wear – resistance.
- High chemical resistance.
- Non – slip
- Easy to clean.
- Excellent abrasion resistant.
- Attractive range of colours.

## Characteristics and Physical

### Properties:

Volume solids	100%
Specific weight	1.90
Pot life @ 25°C	60 min.
Initial hardness	8 hrs.
Full cure @ 25°C	7 days
Compressive Strength (ASTM C-109)	78 N/mm <sup>2</sup>
Flexural Strength (BS 6319)	28 N/mm <sup>2</sup>
Tensile Strength (BS 6319)	16 N/mm <sup>2</sup>

## Chemical Resistance:

Water, de – ionized	Unaffected
Sulfuric Acid, 14%	Unaffected
Nitric Acid, 10%	Unaffected
Acetic Acid, 30%	Unaffected
Caustic Soda, 20%	Unaffected
Petrol	Stiffened
Toluene	Unaffected
Xylene	Unaffected
Skydrol (Hydraulic Fluid)	Unaffected

## Surface Preparation:

- New concrete or cementations should be at least 28 days old, the moisture content of the substrate should be less than 5%.
- All laitance and loose materials must be removed from the concrete surface. Apply 1 coat of multi – etch solution followed by thorough washing with water and let it dry.
- Surface contaminated with oil or grease should be flame cleaned or by using a degreaser and wash with detergent.
- Old concrete floors should be mechanically clean and if contaminated, Degreaser is recommended.
- Steel surfaces should be degreased and grit blasted to Sa 21/2 immediately prior to application

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

## MAS PAINTS & CHEMICAL INDUSTRY

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## Priming and Mixing:

- To the surface well – prepared, apply 1 coat of Uniseal # 110 as a concrete conditioner.
- Mechanical mixing of resin based material is preferred whenever possible. HD FLOORTOP # 700 is supplied as a three (3) component pack requiring pre – weighing on site, no other material should be added. Mix resin A and hardener with portable mixer and add the required aggregates thoroughly till homogenous. Avoid inhaling vapour.

## Method of Application:

After the primer has reached initial cure, pour the screed mix onto the floor and spread by trowel to approximately 5 – 6 mm thick, and allow to harden fully.

If required, apply 1 or two coats of Epofloor S or SF to seal the surface.

## Limitations:

H.D. FLOORTOP # 700 should not be applied onto surfaces known to or likely to suffer from rising damp conditions. It should not be installed at a temperature below 10<sup>0</sup>C and above 35<sup>0</sup>C with a relative humidity greater than 75%.

H.D. FLOORTOP # 700 should not be applied on top of asphalt, weak or friable concrete, unmodified cement screed, PVC and non – porous tiles.

H.D. FLOORTOP # 700 should not be applied where thermostatic pressure is high.

## Equipment:

- Trowel
- Low RPM Drill
- Brush or Roller
- Vacuum Cleaner
- Steel float
- Pin Screed
- Gloves
- Spiked Shoes.

## Coverage:

HD FLOORTOP # 700 should be screed at a rate (approx.) 10 – 12 kg. / m<sup>2</sup> for 5 mm thickness.

## Cleaning:

All tools and other equipment should be cleaned with Wash Thinner or Thinner # 135.

## Packing:

H.D. FLOORTOP # 700 is supplied as a 16.3 kg. (8lit. mixed) multi component pack.

## Storage:

Keep Resin and Hardener in a cool area below 25<sup>0</sup>C. Shelf life of 12 months minimum in a close container.

## Physiological Hazards:

Keep uncured epoxy materials away from the mouth and skin contact. Always wear gloves when handling the materials. HD FLOORTOP # 700 does not contain dangerous solvent, nevertheless, good ventilation in a work area is recommended.

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