



# HD FLOORTOPPING # 700 CT

## General Description:

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

## Major Uses:

Ideal for machine shops, heavy engineering plants, warehouses, passenger walkways in airports and parkways that requires exceptional wear resistance and to mild acids and spillages.

## Advantages:

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

## Characteristics and Physical Properties:

Colour	Black	
Volume Solids	98%	
Specific Gravity	1.9	
Pot Life @ 30°C	60 minutes.	
Initial Hardness @ 30°C	8 hrs.	
Full Cure @ 30°C	7 days.	
Compressive Strength	90 N/mm <sup>2</sup>	ASTM C 579
Flexural Strength	22 N/mm <sup>2</sup>	ASTM C 580
Modulus of Elasticity	5500 N/mm <sup>2</sup>	ASTM C 580

## Chemical Resistance:

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

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.

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## Surface Preparation:

- New concrete or cementitious 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 sol'n 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.

## 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 FLOORTOPPING # 700 CT 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 vapor. Do not use below 5°C.

## 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, roll the floor with spiked roller to released any trapped air and level any slight trowel marks.

## Coverage:

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

## Cleaning:

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

## Storage:

Keep Resin and Hardener in a cool area below 25°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 FLOORTOPPING # 700 CT does not contain dangerous solvent, nevertheless, good ventilation in a work area is recommended.