

YASH FLOOR TOP HEAVY DUTY



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Hardwearing, Abrasion Resistant Industrial Flooring System for Heavy Duty Floors

Description:

YASH FLOOR TOP-HD is a non metallic factory blended ready to use material containing special hardwearing abrasion resistant aggregates for monolithic bond with the base concrete.

Advantages:

- Factory blended ready to use material
- Monolithic bond to the base concrete
- Hardwearing, abrasion resistant properties
- Non metallic aggregates does not rust
- Non dusty, Non slip floor
- Resistance to penetration of oils, grease
- For heavy duty floor applications.

Purpose:

For use on heavy duty industrial floor where floors are subject to heavy wear and abrasion.

Usage:

Ready to use material. Needs only addition of precise quantity of water. Laid as 12 mm thick topping.

Packing:

25 kg pack

Coverage:

YASH FLOOR TOP-HD Heavy Duty is a ready to use factory blended cementitious integral floor hardener containing non metallic, non-oxidising chemically inert aggregates having high degree of wear and abrasion resistance. YASH FLOOR TOP-HD is laid as 12mm thick topping on fresh concrete (monolithic construction) or as a topping on existing concrete floors (separate construction).

1. MONOLITHIC CONSTRUCTION:

1.1. Base Concrete: The base concrete shall have a minimum cement content of 320 kg/m³ with a slump of 40-60 mm using a low w/c ratio. The use of normal plasticizer YASH PLAST-11 at a dosage rate of 150 ml/50 kg cement is recommended. A separate data sheet is available on YASH PLAST-11.

1.2 Laying of Base Concrete: The base concrete must be laid in accordance with good concrete flooring practice taking care to see that the concrete is well compacted

especially the bay edges. Care must be taken not to over vibrate the concrete.

The bay edges are trowelled back at an angle of 45 to at least 20 mm to allow for extra YASH FLOOR TOP-HD material to be compacted to make the joints stronger since joints are points of inherent weakness.

1.3 Mixing of YASH FLOOR TOP-HD topping Empty the YASH FLOOR TOP-HD bag into a free fall concrete mixer. Add 3.25 liters of water per 25 kg YASH FLOOR TOP-HD bag (w/p = .13) and mix for 3 minutes until homogeneity is established. 3-5 bags can be mixed at a time.

1.4 Laying YASH FLOOR TOP-HD Topping: Allow the water to evaporate on the freshly laid compacted concrete. Depending on ambient temperature conditions, this could be between 1-3 hours.

YASH FLOOR TOP-HD should be spread evenly on the concrete to the required thickness (12mm) after the surface water has evaporated. The spread is consolidated and leveled by the use of a straight edge. Care should be taken to well compact the YASH FLOOR TOP-HD especially at corners and bay edges. The use of a hand rammer at these points is recommended. Final hand trowelling is recommended to remove any disc mark of the power float.

1.5 Curing: After the final trowelling, as soon as the surface has hardened sufficiently to prevent damage, cover with polythene sheet for atleast 10-15 hours after which water curing by ponding is required for a minimum 7 days. 10-14 days curing would be ideal. If no water curing possible, then one coat of YASH CURE 8 is recommended in conjunction with polythene sheet which may be left in place for 15 days to prevent the surface drying out.

1.6 Surface Sealing: If surface sealing is thought to be necessary for chemical resistance or for aesthetic appearance, 2 coats of YASH PRIMER 366 epoxy sealer or 2 coats of YASH EPO COAT 174 are recommended. Separate data sheets are available.

2. LAYING OF YASH FLOOR TOP-HD ON EXISTING CONCRETE FLOORS

(SEPARATE CONSTRUCTION)

2.1 Preparation of base concrete: The existing base concrete must be free from loose particles, laitance and oil contamination. The concrete is hacked to a depth of at least 50-75mm and thoroughly washed with water to remove all debris, dust, etc.

Use of an epoxy bonding agent YASH EPO COAT 801 is recommended as a single coat application.

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2.2 The fresh concrete must be laid on the surface on which bonding agent has been applied. The concrete must be of good quality and laying of concrete shall be as per 1.1 and 1.2 of this data sheet.

2.3 Method of Mixing and Laying of YASH FLOOR TOP-HD and Using:

The same methods apply. Please refer to 1.3, 1.4, 1.5 and 1.6 of this data sheet.

EXPANSION JOINTS:

All expansion joints must be filled with a suitable joint sealant. Alternatively a flexible epoxy resin based material YASH EPO SEAL 401 may be used in the saw cut joints and cracks.

ADDITIONAL INFORMATION:

For use on medium duty industrial floors, YASH FLOOR TOP is recommended which is applied at the rate of 5.4 kg/m² as a powder shake on system on freshly laid concrete floors. YASH FLOOR TOP-HD Heavy Duty and YASH FLOOR TOP have been extensively used by countless industries.

Fire

YASH FLOOR TOP-HD is nonflammable.

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A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.