

EURIPARE EMERY TOP

Premixed dry shake floor compound



Product Description

EURIPARE EMERY TOP flooring compound is a cement based trowel in product for incorporation into new concrete slab floors. EMERY TOP is a blend of cement, special aggregates and selected additives to provide optimum performance. EURIPARE EMERY TOP incorporates specially prepared graded aluminous oxide aggregate, which is next in hardness to a diamond. This gives tremendous resistance to abrasion and a slip resistant finish.

Uses

Trowel in topping which will provide hard wearing surface on new concrete floors in warehouses, factories, power stations, ship yards, military establishments, airports and other flooring areas requiring hard, abrasion and impact resistant surfaces.

Advantages

- High abrasion resistance.
- High impact resistance.
- Non-dusting surface.
- High resistance to petroleum based products.
- Stain resistance.
- Easy to apply.

Typical Properties

Appearance: Grey coloured powder

Storage life: 6 months in unopened bag

Abrasion resistance: Twice the wear resistance of granite aggregate paving slabs.

Impact resistance: Resistant to an impact of 50 Nm without damage and 100 Nm with only slight indentation and no fracture.

Staining: Resistant to Automotive oils, Aviation oils, Hydraulic brake fluid, Kerosene, Petrol.

Compressive Strength BS 6319, Part 2:

3day: 48 MPA

7 day: 50 MPA

28 day: 70 MPA

Note: the compressive strength depends on used water ratio and consistency.

Application: for one application: 2.5 kg/m²

Two application: 5 kg/m²

Chemical Resistance: EURIPARE EMERY TOP produces high grade concrete floors, which are subject to similar chemical limitations as other cementitious products. Attack by some acids in concentration can occur.

Improved Chemical Resistance: Penetrative sealers are recommended where improved chemical resistance is required. In situations where excessive oil spillages or highly penetrative light oils are likely to be encountered a penetrating surface sealer is recommended.

N.B.: Where a liquid curing membrane has been used for curing, prior removal is essential before application of penetrative sealers.

Method of Use

Step 1: Follow good concreting practice when laying base slab use clean aggregate and only sufficient water to produce a workable mix; vibrate to ensure a dense slab. EURIPAREEMERY TOP should only be applied to Portland cement concrete, and not to mixes containing rapid hardening cement.

Step2: Smooth and close the surface of the concrete with a wood float or power float to ensure an even and dense surface. Remove any free water or laitance from the surface of the slab using a soft broom or canvas belt.

Step 3: Sprinkle first application of EURIPARE EMERY TOP evenly at the rate of 2.5 kg per m² over the surface of the concrete slab. This application must be left for at least 5 minutes before carrying out next operation.

Step 4: Wood float, power float or trowel to

compact the layer of EURIPARE EMERY TOP.

Step 5: Repeat Step 3 with second application of EURIPARE EMERY TOP.

Step 6: Repeat Step 4 finally smoothing with a steel trowel or power trowel.

Step 7: When firm, steel trowel (by hand or machine) to bring the surface to a perfect finish. Protect and cure the whole slab for 7 days with polythene sheet. See curing section.

Step 8: Immediately after removing polythene sheet sweep the floor to remove any dust or loose particles. Laying EURIPARE EMERY TOP on Screeds Bonded Direct to Hardened Concrete. The fine concrete for screeds should have a minimum thickness of 40mm, and should comprise 3 parts coarse aggregate graded 10 mm downwards, 1.5 parts clean, sharp sand and 1 part Portland cement (mixed as stiff as possible to minimize shrinkage). To ensure good bond between slab and screed, clean well and soak concrete base. Brush cements grout into the concrete. While grout is still wet, place the screed, level off and float with wood float until surface is true and dense. Apply EURIPARE EMERY TOP as detailed above. To produce a non-slip finish for the final trowelling of EURIPARE EMERY TOP, give the surface a flat steel trowelled finish, trowelling in a sweeping circular motion, producing slight ridges.

Curing

Adequate curing is essential for good quality floors. After final trowelling and as soon as the surface has hardened sufficiently to prevent damage it should be covered with a plastic sheet, wet burlap or any other standard method for a minimum period of 7 days.

Model Specification

EURIPARE EMERY TOP industrial flooring should be applied to the newly placed concrete (or screed) at the rate of 5 kg per m². This operation to be carried out in two equal applications in accordance with manufacturer's instructions. This operation to be carried out in two equal applications in accordance with manufacturer's instructions.

After final (surface compaction) trowelling the topping is to be protected and cured for 6-10 days.

Health and Safety

For further information see the EURIPARE EMERY TOP Material Safety Data Sheet, or consult European Concrete Additives.

Packaging

25 kg Polythene lined multiply bags.

Storage

EURIPARE EMERY TOP should be stored under the same conditions as cement. In unopened bags, it has a shelf life of up to six months provided it is stored in dry conditions and is not subjected to extremes of temperatures.

Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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