

# EURIPARE EMERY TOP M

METALLIC PREMIXED DRY SHAKE CONCRETE FLOOR HARDENER

## DESCRIPTION

EURIPARE EMERY TOP M is a pre-blended metallic dry shake floor topping compound, intended for new concrete slab floors. It is applied during the concrete placement process and comprises a cement-based mixture containing special aggregates, pigment, and selected additives. Notably, it incorporates graded aluminous oxide aggregate, known for its exceptional hardness, providing remarkable resistance to abrasion and resulting in a slip-resistant finish.

## USES

EURIPARE EMERY TOP M used for:

- Warehouses
- Factories
- Power stations
- Shipyards
- Military establishments
- Airports
- Flooring areas that demand high levels of hardness, resistance to abrasion, and protection

## ADVANTAGES

- High abrasion resistance
- High impact resistance
- Non-dusting surface
- High resistance to petroleum based products
- Stain resistance
- Easy to apply
- Metallic floor hardener

## APPLICATION

### Application Procedure

- » The right time to spread the Hardener on concrete surface is when light foot traffic leaves an imprint of about 3 - 6 mm
- » Follow good concreting practices for laying the base slab, using clean aggregate and sufficient water for a workable mix. Vibrate the slab to ensure density. Note: EURIPARE EMERY TOP should only be applied to Portland cement concrete, not to mixes with rapid hardening cement.

## TYPICAL PROPERTIES

Appearance	Colored powder
Abrasion resistance (ASTM C944)	Twice the wear resistance of granite aggregate paving slabs
Impact resistance	Resistant to an impact of 50 N/m 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)	3 days: 48 MPa 7 days: 50 MPa 28 days: 70 MPa

Note: Compressive strength depends on water ratio and consistency

- » Smooth and compact the surface of the concrete with a wood float or power float to achieve an even and dense surface.
- » Remove any free water or laitance using a soft broom or canvas belt.
- » Use a wood float, power float, or trowel to compact the layer of EURIPARE EMERY TOP M.
- » Repeat Step 3 with a second application of EURIPARE EMERY TOP M.
- » Repeat Step 4 and finally smooth the surface with a steel trowel or power trowel.
- » Once firm, use a steel trowel (by hand or machine) to achieve a perfect finish. Protect and cure the entire slab for 7 days using a polythene sheet (refer to the curing section for details).
- » Immediately after removing the polythene sheet, sweep the floor to remove any dust or loose particles.

**If applying EURIPARE EMERY TOP M on screeds bonded directly to hardened concrete, follow these additional steps:**

- » The fine concrete for screeds should have a minimum thickness of 40 mm and consist of 3 parts coarse aggregate graded 10 mm downwards, 1.5 parts clean sharp sand and 1 part Portland cement. Mix the screed as stiff as possible to minimize shrinkage.
- » Clean and soak the concrete base to ensure good bond. Brush cement grout into the concrete while it is still wet. Place the screed, level it off and float with a wood float until the surface is true and dense.
- » Apply EURIPARE EMERY TOP M following the above steps.
- » For a non-slip finish, give the surface a flat steel troweled finish in a sweeping circular motion to create slight ridges.

#### **DOSAGE**

EURIPARE EMERY TOP M should be applied at the rate of 2.5 kg/m<sup>2</sup> per application.

#### **CURING**

Proper curing is crucial for achieving high-quality floors. Once the final troweling is complete and the surface has hardened enough to prevent damage, it should be covered with a plastic sheet, wet burlap, or any other standard curing method. It is recommended to maintain this curing cover for a minimum of 7 days. Adequate curing helps in promoting proper hydration and strength development in the flooring material.

Note: For situations where enhanced chemical resistance is needed, it is recommended to use penetrative sealers. These sealers are particularly beneficial in areas where there is a high likelihood of encountering excessive oil spillages or highly penetrative light oils. It's important to note that if a liquid curing membrane has been applied for curing purposes, it must be removed prior to applying penetrative sealers

#### **PACKAGING**

EURIPARE EMERY TOP M is supplied in 25 kg polythene-lined multiply bags.

#### **STORAGE**

EURIPARE EMERY TOP M should be stored and maintained under dry conditions away from extreme temperatures, similar to those for cement.

The shelf life of EURIPARE EMERY TOP M is 6 months from the date of production.

#### **HEALTH AND SAFETY**

For more information, please check the Material Safety Data Sheet.

#### **CONTACT**

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at [techsupport@alfaihaengineering.com](mailto:techsupport@alfaihaengineering.com).

#### **DISCLAIMER**

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