

PROXON HARDENER

PROXON HARDENER is a ready-to-use acrylic cementitious powder that provides a hard-wearing, durable surface for heavy-duty industrial floors with heavy vehicular movement.



What

PROXON HARDENER is a factory-blended acrylic cementitious powder designed to create a hard-wearing, durable surface when applied as a dry shake over freshly floated concrete, ideal for heavy-duty industrial floors exposed to heavy vehicular movement.

Why?

- Denser, durable surface
- Reduces dusting, resists oils
- Easy cleaning, ready mix
- Suitable indoor, outdoor use
- Available in multiple colours
- Strong monolithic concrete bond

Usage

Provides a highly wear-resistant, antiskid surface to new concrete using the dry shake method. Ideal for indoor and outdoor areas like warehouses, garages, factories, power stations, aircraft hangars, and loading bays.

How to use?

- Calculate quantity, mark bays
- Place concrete, remove water
- Apply first shake evenly
- Apply second shake perpendicular
- Reinforce bay edges properly
- Ensure curing, avoid water

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Application

Preparation:

Calculate the required **PROXON HARDENER** quantity, divide and mark the area into bays, and evenly place bags around the perimeter. Ensure wooden hand floats and power floats are available on-site.

Placing Concrete:

Place concrete between screed points using square-tipped shovels. Avoid using vibrators to move concrete. Level with wooden bull floats and remove any bleed water before applying Proxon Prohardener.

Application:

Apply 2/3rd of **PROXON HARDENER** evenly-when the concrete leaves a 3-6 mm foot-print. Once darkened, float with wooden or

power floats. Broadcast the final 1/3 at right angles and float again.

Bay Edges:

Reinforce edges with **PROXON HARDENER** dry shake or a paste mixed with water for added durability.

Curing:

Use curing compound for proper curing. Avoid brackish water and adding extra water during finishing.

Packing

Supplied in 25 kg bags. For large projects or bulk use, it can be delivered in custom-designed bulk containers to meet specific site requirements.

Physical Properties

Standard Confirms	BS 1881 part 1116 ; ASTM C 779 (89)
Appearance	Grey
Specific gravity	1.71 G/CC
Compressive Strength	85 N/mm ²
Mohs Scales of Hardness	7
Abrasion Resistance (BS 8204 Classification)	AR' requires 3Kg/m ² ; Spl' requires 5Kg/m ²
Minimum resistance abrasion recieved	220% (Normal Concrete)
Base Concrete Requirement	
Minmum Compressive Strength	30 N/mm ²
Minimum Slump	75 mm to 90 mm
Minimum Air Content	3%
Completely devoid of chloride admixtures and salt contaminated aggregates	

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Shelf Life

PROXON HARDENER should be stored in cool, dry, shaded areas. Shelf life is 12 months if protected from sunlight, extreme temperatures, humidity, and UV exposure. In tropical climates, store in cooled conditions for best results.

Safety

Handle **PROXON HARDENER** with caution, wearing gloves, goggles, safety shoes, and masks. Avoid inhalation and contact with skin or eyes. In case of ingestion, seek immediate medical help. Refer to MSDS for detailed safety information.

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