

POLYCRON

NON METALLIC DRY SHAKE FLOOR HARDENER

DESCRIPTION

MONOLITHIC SURFACE FLOOR HARDENING COMPOUND FOR FRESH CONCRETE FLOORS

Polycron is a ready to use dry shake pre-blended floor hardener for concrete slab comprising of hard wearing elite graded aggregates and Portland cement. This combination formed a special material which is easy to sprinkle and trowelled into the surface of fresh wet concrete floors to enhance abrasion and wear resistance.

USES

Polycron provides a highly abrasive resistant surface to fresh concrete floors by the dry share method which ensures that the hard wearing surface bonds monolithically to the base concrete.

Polycron is ideally suitable and widely used for all internal and external floor areas subjected to severe mechanical wear or heavy traffic.

Recommended :

Agricultural buildings, laboratories, abattoirs, industrial floors, factories, warehouses, driveways, loading bays, parking decks, access ramps, garage, workshop, power stations and public areas where wear durable and wear resistant floor is the key requirement.

Not Recommended :

Areas where floor surface will be exposed to salt, acid or other corrosive materials which attack cement.

Polycron has been tested by SIRIM QAS International Sdn. Bhd. in accordance to ASTM D 4060 : 2025 Abrasion Resistance Of Organic Coatings by the Taber Abraser.

PHYSICAL PROPERTIES

Texture	Ready to use powder
Colour	Natural

Special colours – Brick Red and Green is available on request for large orders.

ADVANTAGES

- High strength surface of 80 N/MM²
- Hardness Moh's scale 7 – 8
- Provides a hard, abrasion resistant surface
- Reduce dust and Non-slip surface
- Non-metallic aggregate – will not rust when wet
- Hard, dense surface resistant to oil and grease
- Long life and low maintenance industrial floor
- Available in range of colours to improve working environment.

APPLICATION AND COVERAGE

General Vehicular Traffic	4kg / m2
Medium Vehicular Traffic	5kg / m2
Heavy Vehicular Traffic	6kg / m2

Polycron to be applied only after all bleeding has ceased and after removal of bleed water. To ensure a low w/c ratio on the concrete slab, application of hardener should only commence when the concrete can bear the weight of a person standing on it, resulting on the heal depression of not more than 3mm – 5mm on the surface.

Polycron shall be applied in (2)-operations. The 1st shake shall consist of 2/3 of the total quantity specified. Float the shake on concrete adjacent to walls, forms and columns as soon as possible because it stiffens quickly. Immediately after the floating of the 1st shake, apply the final 1/3 quantity in the same manner. Trowel the surface with mechanical trowelling machine to the desired finish texture.

CURING AND PROTECTION

Forthwith the finish is not marred by the application, apply (1)-coat of curing compound in accordance to manufacturer's specification. No traffic should be allowed on a newly laid floor for (48)-hours.

The main contractor shall cover necessary protection to prevent contamination and protect the finished floor from damaged by other trades.

PACKAGING AND STORAGE

Polycron is available in 25kg moisture resistant bag. Store in original, unopened and undamaged sealed packaging in dry conditions.