

PRODUCT DATA SHEET

PERAMAX

FINISHING AID STRENGTHENER & MAXIMISER FOR CONCRETE SURFACES

DESCRIPTION

PERAMAX is a liquid spray for comminution of cementitious / polymer colour hardener powder finishing, that increases the amount of cement paste and improves the performance of powder finishing. PERAMAX providing an easier, faster and improved flatwork and finishing of the concrete floor. The use of the product enables reliable application of higher amounts of dry shake powder and makes the final floor surface denser, harder and glossier

USES

The process of cement particle reduction is triggered by PERAMAX electrolytes on an ionic level somewhat similar to magnetised water. The cement grains completely break down by agitation to rapid decay hydrate into ultra-fine cement, increasing the amount of cement paste (CHS) on the concrete powdered surface, which is conducive to finely troweling a powdered concrete finish. While eliminating pores and shrinkage cracks, at the same time, it will improve the cementation of gravel aggregates and reduce sand and dust.

Recommended for use in:

- Car parks, warehouses, and industrial factories
- External and internal works
- Hot tropical climates
- High-fineness and corrosion-resistant concrete
- Non-shrinking concrete flatwork
- Aids application of shake-on hardeners in low bleed water environments
- Polished concrete

- Stamped imprint concrete
- Marine environments
- Etc.

FEATURES AND BENEFITS

- Enhances workability and finishing;
- Increases surface gloss (with special finishing treatment) and density;
- Enables the use of higher amounts of dry-shake powder;
- Improves abrasion resistance and durability;
- Increases the available time for finishing in critical conditions;
- Reduces plastic shrinkage and cracking;
- Preventing crazing and curling;
- Eliminating pores, pin, and bug holes;
- Improve the cementation of gravel aggregates;
- Reducing sand and dust;
- Slows moisture loss;
- No need to spray additional water during final finishing trowelling;
- Maintains the original color without any changes;
- Reduces the risk of delamination.

TECHNICAL DATA

- Appearance: Lime/milky white liquid;
- Density: ~ 850 Kg/m³;
- pH: ~ 9 ± 11;
- Treated surface impermeable up to 8 bar;
- Stable in acidic environments up to 2 pH.

PACKAGING

PERAMAX is packaged in 20 Kg pails.

SHELF LIFE

Unlimited, when product is stored in standard containers and in a designated industrial environment.

PRECAUTIONS

- Do not cure or cover the surface treated by PERAMAX;
- Do not add any other chemicals or supplementary materials to PERAMAX, except for oxide based pigments;
- PERAMAX is not hazardous, not flammable and not explosive for applications, transportation, and storage;
- In all cases, consult the Material Safety Data Sheet (MSDS) before use

SAFETY

Operation with PERAMAX is similar to cement mixing and liquid spray jobs. Always wear an approved particle respirator and rubber gloves. Avoid inhalation of the dry product or direct skin and eye contact. Caustic when mixed with water. In case PERAMAX is inhaled, swallowed or gets into contact with the skin or eyes, rinse and wash abundantly with water. Refer to the SDS for additional health and safety information

DIRECTION FOR USE

Before Use:

Remove lid thoroughly, stir the PERAMAX liquid making sure to stir the bottom pail as chemical may settle there. Stirring / mixing will make the liquid change colour to a lime/light milky look.

Usage:

PERAMAX can be directly sprayed on the surface of concrete that has been screeded / bullfloated then cast with powdered colour hardener, it will trigger the cement on the powdered surface to completely dissolve and hydrate it into Ultra-fine cement, increasing the amount of cement paste (CHS) on the concrete powder surface, while being worked with bullfloat or pizza pan.

1. Mix for 2 minutes then let stand for one minute to settle;
2. Pour out liquid PERAMAX into low pressure spray pump;
3. Spray evenly over fresh concrete surface beforehand after powder casting. (around 30mL per Square Meter).

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