

## TECHNICAL DATA SHEET:

**Product Name:** PERAMAX

**Manufacturer :** PT PERA ABADI SENTAUZA.

**Description:** FINISHING AID,  
Strengtheners & Maximiser.

PERAMAX is a cement oxidation catalyst to increase

Cementitious value. ie increase cement slurry volume.

The amount of slurry is 10-15% which can significantly improve the water tightness, water Impermeability and compressive strength of concrete and mortar surface. At the same time, it has chemical resistance, resistance to chloride ion erosion, resistance to drying shrinkage cracking and suppression of efflorescence. Peramax will improve the Durability of the concrete.

### Function:

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. 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.

### Technical data:

- Appearance: Lime/milky white liquid
- Density: 850 kg/m<sup>3</sup>
- Specific gravity 2.16
- pH:9-11
- Treated surface water impermeable, upto 8 bar
- Stable in acidic environments up to 2 pH

**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 non-hazardous, non-flammable and non-explosive for application, transportation and storage. Consult the SDS before use.

## 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.

PERAMAX can improve the lubricity of the steel hand trowel or power trowel, reduce the trowel resistance, improve workability, and delay the final setting time, so that the finish troweling gives Prolonged plastering time and help to trowel the powdery surface finely, reduce the porosity of the powdery surface, improve the density and surface strength of the concrete surface, and reduce drying shrinkage, cracking and abrasion. The tight and closed barrier layer formed by the powder finish can reduce the penetration of water vapor at the same time, so as to achieve the function of moisture-proof and anti-seepage. No need to spray additional water during final finishing troweling.

Before use:

Remove lid thoroughly stir the Peramax liquid making sure to stir the bottom pail as chemical may settle here. stirring?mixing will make the liquid change colour to a lime/light milky look.

- 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.

### 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.