



## Ecospolvero

A pre-mixed hardening powder for civil and industrial flooring applications. The powder is made from a grey photocatalytic cement, inert silica granules, iron oxides, quartz and special additives prepared according to a special formula. The specially selected raw materials provide excellent PHOTOCATALYTIC characteristics.

## Characteristics

The specific PHOTOCATALYTIC properties of the formulation allow for the oxidation of pollutants and their subsequent transformation into harmless residual substances.

- Transforms pollutants into harmless residues.
- Reduces temperatures by reflection.
- Resistant to de-icing salts.
- Low penetration coefficient for oils and fats thus facilitating cleaning.
- High coefficient of resistance to compression and abrasion.
- Antibacterial and anti-mould action by means of photocatalytic oxidation-reduction.

## Uses

- New flooring in residential, commercial and industrial buildings.
- Schools, hospitals
- Parking areas, garages, cellars, balconies, sheltered areas.
- Squares, terraces, cycle paths, footpaths.
- Stores used frequently by vehicles.

## Method of application

### Instructions for use

ECOSPOLVERO is to be applied as a surface powder on fresh concrete in two coats. About two thirds of the total amount is to be applied in the first coat. As soon as the first layer of powder has been wetted with a water and concrete mix, a second amount is applied in strips at right angles to the first. The remaining third of the product is then applied and herringbone layering continues until the required finish is obtained.

## Maturing

You are advised to continue carefully wetting the surface for about one week until it is hard and before doing any cutting. Alternatively, you can use an anti-evaporation film that traps humidity in the concrete during the first wetting phase. This provides excellent durability characteristics and minimises any risks of cracking.

## Technical Characteristics

- Appearance - Powder
- Density when dry - 1.8 kg/litre
- Resistance to humidity - Excellent
- Vapour resistance factor -  $u = 20$
- Shelf life in original packaging - 6 months Keep in a warm dry place
- Colour - Cement grey
- Packaging - 25 Kg bags
- Duration of mixture at 20°C and 60% RH - 60 minutes
- Covering capacity - 3-4 Kg of powder per square metre of surface material.
- Resistance to humidity - Excellent
- Resistance to de-icing salts - Excellent
- Adherence to materials at 28 days - 2.5 MPA
- Flash point - Non-inflammable
- Application temperature - Between 5° and 30°C

## Specifications

Hardening powder with natural photocatalytic cement-based aggregate containing titanium dioxide ( $TiO_2$ ) with PPS (Proactive Photocatalytic System) technology, inert ultra-fine substances and specially prepared additives that meet the specifications of Ministerial Decree (Department of the Environment) dated 01.04.2004