

# RESIN POWDER



Improving polymer resin in powder form



## PROPERTIES

Polymer resin in powder form that is odorless. Add it to cement and lime mortars to increase their properties.

- Increases adhesion to the substrate by 50%.
- Increases flexibility, water tightness and workability.
- Reduces shrinkage and prevents hair line cracks.
- Increases mass and surface strengths by up to 60%.
- Resistant to cement and lime alkalinity.
- Does not liquefy after the complete mortar cure.
- Increases the resistance of plasters against moisture and frost that lead to their gradual deterioration.

## APPLICATIONS

### AS MASS ADMIXTURE

Add DUROSTICK RESIN POWDER in:

**A)** Cement at a ratio of 500gr and up to 1000gr per 25kg, depending on the strength required for each application.

**B)** Ready mixed mortars to improve their properties, at a ratio of 250gr up to 1000gr per 25kg of mortar, depending on the desired improvement.

**In concrete repairs:** Mortar preparation with river/sea sand, quarry sand or specialized ready mixed mortars, for thin application or otherwise. For each and every case, use 1kg RESIN POWDER per 25kg of cement or mortar.

**New or existing renders in need of repairs:** Increases the durability and water tightness of both, traditional and ready mixed plasters (500gr up to 1000gr RESIN POWDER per 25kg of cement, 250gr per 25kg premixed product).

**Necessary additive to scratch coat plasters:** Ensures adhesion to insulating products, e.g. expanded or extruded polystyrene etc. (1kg RESIN POWDER per 25kg cement).

**Cementitious adhesives:** Increases adhesion, and durability, flexibility and water tightness (250gr RESIN POWDER per 25kg of product).

**Grouts and tile/marble adhesives:** Improves their weathertightness and increases the adhesion and flexibility (250gr RESIN POWDER per 2kg of product).

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**As bonding coat:** It works as bonding bridge between existing and new concrete or mortar. The application of the new concrete or mortar is made as long as the bonding coating is still fresh (2kg RESIN POWDER per 25kg cement, with the corresponding percentage of water).

**Durable floors:** Enables the creation of thin cement screeds, eliminating the risk of their detachment (2kg RESIN POWDER per 25kg of cement).

**Durable cement screeds:** Add 1kg RESIN POWDER per 25kg of cement to increase their mechanical strength as well as their abrasion resistance.

**Building mortars:** Creates a flexible bond between the mortar grains, thus prevents crack formation from minor earthquakes and man-made vibrations due to excavating equipment operating in adjacent areas (500gr to 1000gr RESIN POWDER per 25kg of cement).

**Brushable cementitious waterproofing mortars:** Increase their flexibility and mechanical strength (250gr RESIN POWDER per 25kg of product).

**Microcement DS-250:** For thin coat applications (up to 4mm thick) and applications over existing tile and mosaic renovations in need of additional strength (500gr RESIN POWDER per 25kg of product).

### APPLICATION AS SPRAYABLE OR BRUSHABLE PRIMER

**For surface stabilization of floors:** On fresh concrete surfaces, apply by spraying or brushing the solution (1kg RESIN POWDER per 2lt of water) to protect them from dehydration and to create abrasion resistant floors that do not dust

**For surface stabilization of unsound surfaces made of plaster or concrete:** Spray or coat the surface (1kg RESIN POWDER per 2lt of water).

### APPLICATION AS PRIMER

**For increased adhesion of gypsum based plaster on extruded polystyrene:** (1kg RESIN POWDER per 2lt of water)

## USE

### 1. Surface preparation

Depending on the application, the surfaces must be slightly wet and clean, free of loose materials, dust, formwork oils, paints, etc.

### 2. Application

Mix RESIN POWDER in a clean container with cool water using a low-rpm drill or a cement mixer for 30 seconds, depending on the application. Continue by adding the mortar.

### CLEANING

Clean all tools with water, immediately after use.

### CONSUMPTION

Depending on the application and the desired improvement.

### STORAGE

Store in places protected from sun and frost, for at least 15 months from production date.

### SAFETY DIRECTIONS

The product needs no hazard labeling based on current European and National legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek immediate medical advice and show the container or label. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

### PACKAGING

Plastic measuring container with 12 bags of 1kg each one

Plastic measuring container with 6 bags of 1kg each one

### TECHNICAL SPECIFICATIONS

Form - Color	Polymer resin in powder form - White
Application temperature	From +5 °C to +35 °C
Toxic	No
Bulk density of dry powder	0.78±0.05kg/lt

DUROSTICK S.A. MANUFACTURING OF ADHESIVES, PAINTS & MORTARS

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