



PRODUCT N° 1.459

## **B-STRATOS 6**

### **EASY DISPERSION FIBRES TO CEMENT FIRST COATS AND GYPSUM PLASTERS**

#### **DESCRIPTION**

**B-STRATOS 6** are polypropylene fibres, 6 mm long, with an easy dispersion and use recommended in cement first coats or gypsum plasters, used to reduce cracking due to shrinkage in plastic state. Fibres are treated to improve wetting and dispersion in the paste of cement and on the other side to increase capacity of contact and adhesion between fibres and concrete in hardened solid state.

#### **CHARACTERISTICS**

- Reduced weight and easy application.
- Higher chemical resistance than steel (acids, alkalis, salts, etc.)
- Resistant to alkalis in cement.
- No oxidation or rotting.
- Damp-proof properties.
- High tensile strength
- Low coefficient of elasticity
- Control of plastic shrinkage with cracking reduction

#### **METHOD OF USE**

Add a bag of 0,350 kg. in 1 m<sup>3</sup> of concrete. To incorporate as another component by tempering. Mix dry for 2 to 4 minutes with movement, and after that with the water or already prepared mass. Add the fibres to the concrete mixer and beat during 4-6 minutes, with speed of 12 rpm, to assure an homogeneous mixing.

#### **SPECIFICATIONS**

Specific gravity	0.915 g/cm <sup>3</sup>
Length	20 mm
Melting point	160°C - 170 °C
Ignition point	590 °C
Registration of ductility	Low
Electric conductivity	Low
Acids and salts resistance	High
Tensile strength	0.28 - 0,77 KN/mm <sup>2</sup>
Coefficient of elasticity (Young's modulus)	2,1 - 3.5 KN/mm <sup>2</sup>
Alkalis and chemicals resistance	Good

#### **SPECIAL RECOMMENDATIONS**

- This product doesn't replace any frame or structural mesh.



### **USES**

- In cement first coats to reduce cracking by plastic shrinkage
- As reinforcement in gypsum plasters to reduce cracking and to increase their mechanical properties.
- Dry mortars

### **ADVANTAGES**

- Three-dimensional reinforcement of cement and gypsum structure
- Strong plastic and hydraulic cracking shrinkage reduction
- Increase of tensile strength and impact resistance and ductility.
- Improvement of mechanical properties in general.
- Reducing of permeability to water and water absorption
- It increases the resistance of the freeze/thaw cycles.
- Increases the durability of cement and gypsum structures.
- Improvement of the aesthetic appearance
- Homogeneous distribution of fibres
- It allows a smaller addition of water to the masses as an excess could produce segregations.

### **PRESENTATION**

Bags of 0,350 kg.

To be stored on clean and dry surfaces, under roofing.

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