FIBRET

Polyacrylonitrile 100% fiber

Product:

Fibret, fibre 100% polyacrylonitrile, has the particular characteristic of an excellent resistance towards physical and chemicals agents, it is unassailable from cement alkalinity and stables to ultraviolet. The physical properties of FIBRET remain unchanged to temperatures even superior to 100° C permitting than the steam seasoning of the concrete. The finesse of the fibre it makes it perfect for the preparation of mortars and plasters, applied even to millimetric thickness.
In the cements, FIBRET realize a fibrous three-dimensional structure that contrasts the movements, remaining completely incorporated and making the smoothness easy.

Application fields:

Mortars and plasters.

Application methods:

FIBRET can be added to dry components, before the mix or when the mix is ready in the concrete mixer before usage (in this case it is necessary about two minutes of mixing to obtain a good dispersion).

Advantages:

- Significant reduction of cracks in the plastic fase
- Increment of the tixotropia of the mortars with consequent greater ease of application and better adherence to the support

Technical data:

Colour	White
Appearance	Fibre reveal
Length (mm)	6
Starch (%)	4 $\pm$ 0.5
Umidity (%)	< 3
Nominal diameter (micron)	16
Toughness (N/mm^2); (Mpa); (cN/tex); (g/den)	>570; >559; >48; >5.5
Elastic modality (N/mm^2); (Mpa); (cN/tex); (g/den)	>13500; >13757; >1144; >13
Tg (°C) on air	110
Recommended mortar dosage, etc. (Kg/m^3)	0.8 – 3
Storage	In the original sealed packaging, to the dry land and coolness, far away from flame and sparks. Do not smoke, keep in mind of the effects of electrostatics charges accumulation.

Please note:

It is important that the fibre isn't added to water before the other components. It is necessary a mixing time of two minutes. The inconvenience are usually of 0.8 Kg for m^3 of dough, but it can varies from 0.5 up to 4 Kg / m^3 by the applying conditions and the expected usage.

ORSAN s.r.l. - Via Taglio Sinistro, 61/I – 30035 Mirano (VE)
Tel 041 57 00 969 – Fax 041 57 00 977 – www.orsan.it – info@orsan.it