Technical Datasheet

RF

GENERAL DESCRIPTION

RF is a structural fibre made of 100% virgin copolymer/polypropylene, which consists of twisted bundles of non-fibrillated monofilament fibres, used in structural concrete reinforcement.

RF fibres gives concrete maximum long-term durability improving structural reinforcement, effectively controlling thermal shrinkage and eliminating cracks. They also confer an excellent dispersion in concrete, giving it elasticity and reducing expansion/contraction at different temperatures.

RF is a heavy-duty, non-corrosive, non-magnetic and 100% alkali proof fibre.

This type of fibre provides properties far superior to any other type of reinforcement in our range of products.

APPLICATIONS

RF fibres are used whenever a more effective three-dimensional concrete reinforcement is needed:

- "Slab-on-Grade" projects
- Industrial floors
- Commercial floors
- Shotcrete
- Bridge decks
- Airport runways
- Floors with less or no joints
- Loading and unloading ramps
- Precast
- Parking
- Streets
- Other projects

PHYSICAL PROPERTIES

Material	Virgin copolymer/polypropylene
Color	Grey or White
Shape	Bundle of deformed, twisted monofilament fibres
Acid/ Alkali resistance	100%
Specific Gravity	0.91
Absorption	Null
Tensile strength	730,55 MPa
Length	54 mm/38 mm

HOW TO USE

The recommended RF dosage is 1 – 8 kg/m³ of concrete, depending on project. Mixing and homogenization can be achieved either at the concrete station or directly in the truck mixer in 7 minutes at medium speed. For higher dosages, we recommend using plasticizer additives.

COMPLIANCE

ISO	9001:2015
ISO	14001:2015
ISO	45001:2018
ISO	27001:2018

PACKAGING

Bags	0.5 Kg
Boxes	20 Bags
Pallets	max. 24 Boxes
On demand	Big Bags, Boxes, etc.