Technical Datasheet

RN

GENERAL DESCRIPTION

RN is a 100% virgin polypropylene fiber mainly used for screeds reinforcement and concrete overlay projects, having a good dispersion in concrete. The fibers properties are truly highlighted in floor heating projects, where it controls the thermal stress on the concrete layer.

It is available in the following lengths: 3 mm, 19 mm, 38 mm and 54 mm.

RN is a chemically inert, medium-duty fiber which has non-corrosive, non-magnetic and alkali-proof properties. It prevents the formation of plastic shrinkage micro cracks.

APPLICATIONS

RN fibers are used in any type of application, such as:

- "Slab-on-Grade" projects
- Underfloor heating
- Overlay concrete
- Walkways
- Tiles
- Curbs
- Sidewalks
- Ramps
- Water tanks
- Water treatment facilities
- Other projects

PHYSICAL PROPERTIES

Material	Virgin copolymer/polypropylene
Color	White
Shape	Bundle of fibrillated fibers
Acid/ Alkali resistance	100%
Specific Gravity	0.91
Absorption	Null
Tenacity	19,50 cN/tex
Length	19 mm/38 mm/54 mm

HOW TO USE

The recommended RN 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. Changes in the concrete recipe are not required. For higher dosages, we recommend using plasticizer additives.

COMPLIANCE

ISO	9001:2015
ISO	14001:2015
ISO	45001:2018
ISO	27000:2018

PACKAGING

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