

ISTRICE®



iBETON

39

Macro-structural fibres for FRC



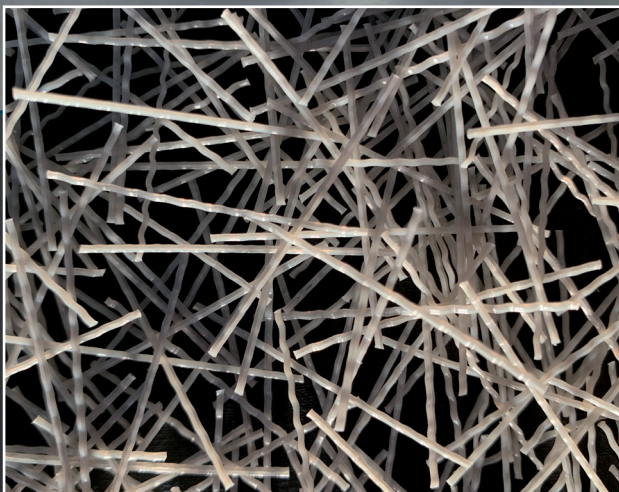
iBETON 39 are macro-structural fibres with a wavy shape form made of polyolefin compound and specifically designed for improving the ductility and mechanical properties of FRC.

iBETON 39 fibres can partially reduce or totally replace the amount of traditional reinforcement in concrete applications, increasing its tensile strength.

The new water soluble pucks guarantee an excellent dispersion of fibres into the concrete matrix, avoiding the balling phenomenon.

iBETON 39 are the ideal fibres for:

- industrial flooring
- car parks
- paved surfaces in airports
- paved surfaces in logistics hubs
- concrete foundations
- multi-storey car parks
- precast elements
- extruded road elements
- concrete roads, pavements and cycle lanes



Example of foundations reinforced with concrete fibre-reinforced with **iBETON 39**



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ADVANTAGES OF iBETON 39 FIBRES:

- ◊ Chemically inert; no corrosion
- ◊ Wavy shape to guarantee excellent anchorage to the cementitious matrix
- ◊ Reduced construction timings; no metal mesh needs to be applied
- ◊ Guaranteed three-dimensional reinforcement uniform distribution into the concrete mix
- ◊ Light and easy to handle



iBETON 39 water-soluble puck

MECHANICAL PROPERTIES OF iBETON 39

Material	Polyolefin compound
Length	39 mm
Diameter	0.78 mm
Tensile strength	470 MPa
Modulus of elasticity	3.6 MPa
Melting point	155-165°
Density	0.91
Water absorption	None

COMPLIANT WITH
EURONORM

EN
14889:2
2006

CE
EN 14889:2



STANDARD
PACK SIZE 6 KG



WATERPROOF
PACKAGING



FIBER PUCK