

ISTRICE®



iPREFS 25

Structural fibres for precast elements

iPREFS 25 are synthetic polypropylene fibres with a wavy shape specifically designed for structural use in precast elements.

iPREFS 25 are ideal for strengthening manhole covers, roofs, precast elements, panels, prestressed slabs, prefabricated industrial buildings, pipelines and storage tanks.

iPREFS 25 fibres guarantee concrete has ductile behaviour and can be used to partially or totally reduce the steel rebars, increasing the ductility of the concrete elements.

iPREFS 25 synthetic fibres also prevent the development of cracks on the moving and handling phases, making the production process simpler and quicker.





iPREFS[®] 25

ADVANTAGES OF iPREFS 25 FIBRES

- ♦ Increase toughness of concrete
- ♦ Increase ductility of precast elements
- ♦ Reduce cracking phenomenon in precast elements
- ♦ Reduce shrinkage during setting phase of concrete elements
- ♦ Improve impermeability and durability of concrete elements
- ♦ Partial/complete replacement of rebar; simplified process
- ♦ Reduce production process timings
- ♦ Economical benefits if compared with traditional steel reinforcements



MECHANICAL PROPERTIES OF iPREFS 25

Material	Polyolefin compound
Length	25 mm
Diameter (min. tolerance +/- 5%)	0.54 mm
Tensile strength	480 MPa
Modulus of elasticity	4.5 GPa
Density	0.91
Melting point	>155-165 °C
Water absorption	None

**COMPLIANT WITH
EURONORM**



**STANDARD PACK
SIZE 6 KG**



**WATERPROOF
PACKAGING**