

iSTRICE



iSHOTS

55

Macro-structural fibres for shotcrete

iSHOTS 55 are synthetic macro syntetic fibres with a wavy shape made from a polyolefin compound specifically designed to improve the ductility and mechanical properties of shotcrete.

iSHOTS 55 fibres are an excellent alternative to steel fibres and traditional rebar in underground applications.

iSHOTS 55 fibres can be used for various applications in the tunnelling sector, such as

- Shotcrete for preliminary linings
- Concrete pours for final coatings
- Concrete roads for definitive linings
- Extruded concrete elements
- Safety barriers



Hydroelectric power station in Ingula (South Africa)



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55

ADVANTAGES OF iSHOTS 55 FIBRES:

- ♦ Chemically inert; no corrosion
- ♦ Wavy shape to guarantee excellent anchorage to the cementitious matrix
- ♦ Considerably reduce site operations times, no metal mesh needs to be applied
- ♦ Guaranteed three-dimensional strengthening, uniform distribution throughout the concrete mix
- ♦ Light and easy to handle
- ♦ Do not damage waterproofing membranes
- ♦ Reduce elastic return
- ♦ Reduce wear to components in mortar pumps



iSHOTS 55 water-soluble puck

MECHANICAL PROPERTIES OF iSHOTS 55

Material	Polyolefin compound
Length	55 mm
Diameter	0.91 mm
Tensile strength	560 MPa
Modulus of elasticity	3.9 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