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FIBRE-tec PPE/CORRUGATE40

POLYMER MACRO-FIBRE WITH DOUBLE CORRUGATION COMPLYING TO UNI EN 14889-2 FOR STRUCTURAL USE IN CONCRETE

Description FIBRE-tec PPE/CORRUGATE 40 are undulated macro-fibres with double corrugation, in high tenacity polypropylene with high tensile strength which, added to the paste in appropriate dosage, will increase the flexural strength and ductility of concrete and reduce the plastic shrinkage. Composed of additivated high tenacity polypropylene, the fibres don't corrode and resist to acids, bases and aggressive chemicals. The dispersion capacity of FIBRE-tec PPE / CORRUGATE40 in the paste ensures uniformity of performance throughout the mixture and allows to maintain the workability required for this concrete .

- Advantages**
- No wear in spray machines for concrete, easy miscibility, reduction or elimination of cracking.
 - Compliance to EN 14889-2 makes these fibres especially applicable in concrete floors.
 - Possibility to substitute steel reinforcement net.
 - No corrosion over time even in the presence of brackish water and de-icing salts

Packaging Bag of 3 Kg

Technical characteristics (typical values)	• Dimensions:	Length 1,15 mm Width 40 mm Thickness 0,6 mm
	• Form	Double corrugation
	• Elongation	14 %
	• Tensile strength	650 - 700 N/mm ²
	• Modulus of elasticity	3.500 N/mm ²
	• Fusion temperature	250 °C
	• Usual dosage	3-5 Kg/m ³
	• Colour	grey
	• Water absorption	0,01% - 0,02%
	• Density	0,91 g/cm ³

The fibres comply with the standards UNI EN 14889-2 and ASTM C-1116.

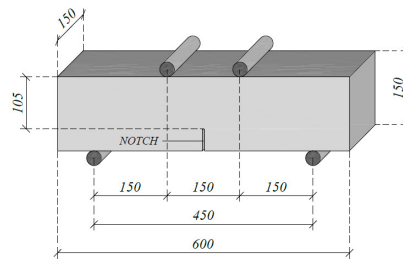


FIBRE-tec /PPE CORRUGATE40

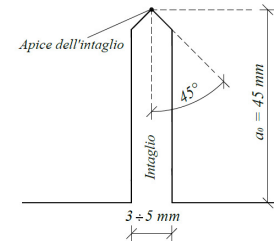
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FLEXURAL STRENGTH ON 4 LOADING POINTS

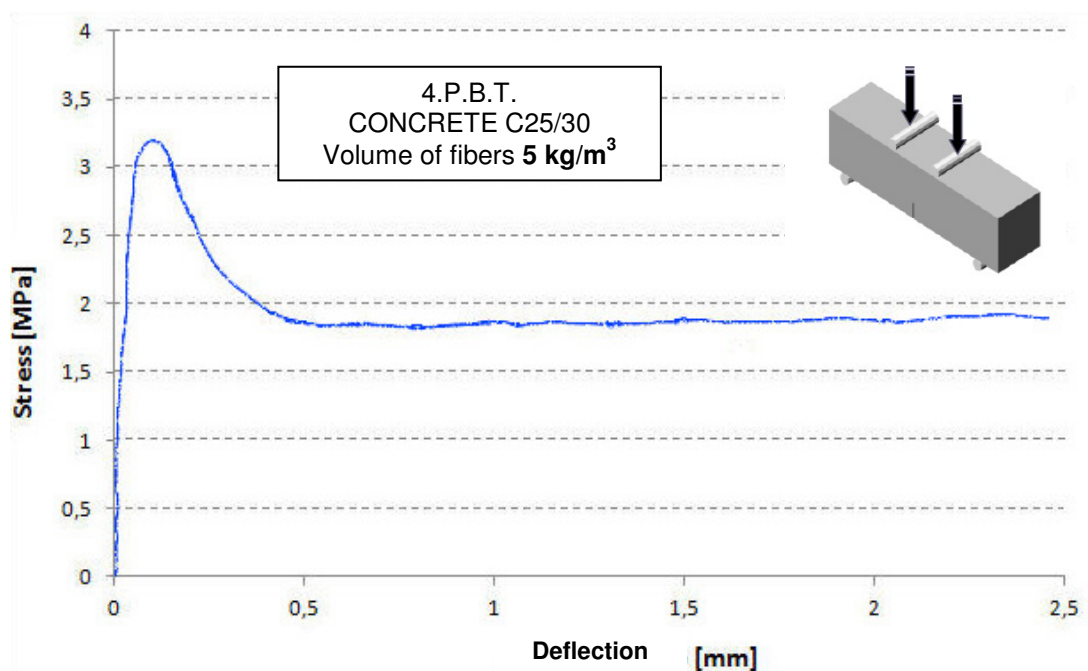
Experimental tests



Geometry and links of the fibre reinforced beams



Particular of the notch



Safety indications Read carefully the indications on the packaging, or consult the specific Material Safety Datasheet.

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.