ADFIL Construction Fibres

Durus® S400 55mm

Macro / Embossed Monofilament

Technical data sheet

Product description

Polymer	Density	Melting Point	Ignition temperature
PP	0.905 kg/dm³	165 °C	> 360°C

Properties

Physical Properties	Standard	Performance	Tolerance
Equivalent Diameter	EN 14889-2:2006	0.9 mm	+/-0,05 mm
Length	EN 14889-2:2006	55 mm	+/-3 mm
Aspect ratio	EN 14889-2:2006	61	+/- 6
Number of fibres per kg		31.600	

Mechanical Properties	Standard	Performance	Tolerance
Elastic Modulus	EN 14889-2:2006	3350 MPa	-335 MPa
Tensile strength	EN 14889-2:2006	465 MPa	-35 MPa

Effect on consistency of concrete	Standard	Performance	Dosage
Vebe Time	EN 14889-2:2006	2 s	5 kg
Control concrete	EN 14889-2:2006	1 s	

Effect on strength of concrete	Standard	Performance	Dosage
Strength @CMOD - 0.5mm	EN 14889-2:2006	1,7 N/mm²	5 kg
Strength @CMOD - 3.5mm	EN 14889-2:2006	2.1 N/mm²	

CE regulation	Standard	Performance
Class	EN 14889-2:2006	II

Version n° 1

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Advantages

The product will enhance the toughness of the concrete and alleviate the need for steel mesh or steel fibres when used with the appropriate design and at the recommended dosage.

Mixing instructions

When adding fibres into a cementitious product careful attention must be taken in the batching and mixing procedure in order to achieve optimum results. If you need further details on the recommended mixing instructions, please consult a member of the ADFIL team.

Storage

Fibres must be stored on a clean surface in dry conditions, undercover and away from the possibility of damage.

Progress through performance
A Low&Bonar solution

CE

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