

TECHNICAL DATA SHEET



DESCRIPTION

Siteworx Fibres are 100% virgin polypropylene fibres which help to minimise shrinkage and cracking.

APPLICATIONS

Siteworx Concrete & Screed Fibres are suitable for use in concrete and screed mixes to help prevent shrinkage and cracking during the curing process. These fibres also maximise tensile strength and improve impact and abrasion resistance. Typical applications include, concrete floors, paths, drives, bases, footings, foundations, floor screeds etc.

Siteworx Plaster & Render Fibres are suitable for use in most types of render, base coat and finishing plaster, including lime based plasters, which are particularly prone to cracking. These fibres again help to prevent shrinkage and cracking.

PROPERTIES	TEST METHOD	UNIT	VALUE
Tenacity	TSE EN 14889 Part 2 Type 1.A. & ASTM C-1116 – 1997 Type 3	grams / denier	6.5 – 7.0
Tensile Strength (TS)		MPa	600 - 700
Young's modul (TS/E)		MPa	3.000 – 3.500
Elongation (E)		%	20 – 25
Specific Density		g/cm ³	0.91
Colour		-	Transparent
Softening Point		°C	150
Melting Point		°C	160
Size(s)		mm	Plaster & render = 3 Concrete & screed = 20
Acid effect		Stable	
Alkali effect	Stable		
Biological resistance	Stable		
Abrasion resistance	Stable		
Oxidizing agent effect	Stable		
Organic solvents	Melted by chloride solvents at high temperatures		
Moisture regain	70% relative humidity at 21°C = < 0.10%		

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