

Technical Data Sheet

Technical properties fibre concrete spacers

Fibre concrete spacers

Fibre concrete spacers are dimensionally accurate and have a consistently high quality and excellent chemical and physical resistance. Due to the good bond with the structural concrete, no hairline cracks occur. Fibre concrete spacers meet the requirements of all exposure classes. The material properties have been tested by independent testing institutes and meet the requirements.



Technical properties

Property	Standard	Enhanced properties	Unit
Concrete cover	20 – 100	20 – 100	mm
Permissible deformation	±1mm(<75mm) ±2mm (>75mm)	±1mm(<75mm) ±2mm (>75mm)	mm
Breaking load	> 2.0	> 3.0	kN
Compressive strength	50	60	N/mm ²
density	2.0 – 2.1	2.0 – 2.1	kN/m ³
Water absorption	< 8.0	< 5.0	% after 30 min
Water absorption according to the ISAT method	< 0.50	< 0.25	ml/m ² /sek
Chloride diffusion	< 5.0	< 1.0	m ² /sec x 10 ⁻¹²
Chloride penetration resistance RCP test (according to ASTM C1202)	-	< 1000	Coulomb
Exposure classes	X0, XC, XD, XS, XF, XA, XM	X0, XC, XD, XS, XF, XA, XM	
Construction material class	A1- non-flammable	A1- non-flammable	
Fire resistance class	R30 – R180	R30 – R180	

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