

Technical Data Sheet

Properties of fibre concrete mixtures

Fibre concrete

is used in the production of spacers, distance tubes, plugs and fibre concrete cones. Fibre concrete is produced from the usual concrete raw materials (aggregate, water, cement and admixtures or additives). Fibres made of polypropylene are added to the concrete to improve its properties.



Technical properties

Characteristics	Standard Mix	Premium Mix	SR-Mix	Notes
Compressive strength	> 50	> 60	> 50	N/mm ²
Water absorption	< 8.0	< 5.0	< 8.0	% after 30 Min.
w/c factor	< 0,4	< 0,4	< 0,4	
Density	2,0 – 2,1	2,0 – 2,1	2,0 – 2,1	kg/dm ³
Building material class	A1 – not flammable	A1 – not flammable	A1 – not flammable	
Fire resistance class [EN 13501]	EI30 – EI180	EI30 – EI180	EI30 – EI180	
ASR (Alkali Silica reaction)	No reactivity			
Exposure class fulfilled	XC1 – XC4			
	XD1 – XD3			
	XS1 – XS3			
	XF1 – XF4 ¹			
	XA1 – XA3			
	-	-	XA2 – XA3 ²	CEM I SR3 cement used ³
Additional notes		Silica fume ≥ 5,0% of the binder quantity		

Disclaimer / Notes:

The usability of the products in the specific installation situation must be checked by the user. This data sheet is constantly updated. Technical changes are therefore expressly reserved without prior information of the customer. The currently valid version can be found on our website at: www.maxfrank.com. Our General Terms and Conditions of Sale apply in addition

¹ Proof for exposure class XF4 via CDF-Test

² in case of chemical attack by sulphate (except sea water), cement with high sulphate resistance must be used for exposure classes greater than XA1 (i.e. XA2 and XA3)

³ SR = Sulphate resistance; all requirements according to DIN 4030 fulfilled

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