

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			
	-	-	XA2 – XA3	CEM I SR3 cement used ²
Additional notes		Silica fume ≥ 5,0% of the binder quantity		

Disclaimer / Notes:

All technical data stated in this TDS are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Recommendations with regard to product application given in the present technical data sheet for practical assistance of product users are based on our experience and our present scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties. These recommendations do not relieve users of their liability and of their own responsibility to test, whether our product is adequate for the intended purpose of application. Please refer to the latest edition of this Technical Data Sheet on our web presence www.maxfrank.com

¹ Proof for exposure class XF4 via CDF-Test

² SR = Sulphate resistance; all requirements according to DIN 4030 fulfilled

MAX FRANK Group

Max Frank GmbH & Co. KG | Mitterweg 1 | 94339 Leiblfing | Germany | info@maxfrank.com