Great Quality Material means great resistance to the outdoors.

Technical Properties

SPECIFICATION		RESULT	UNIT	TEST METHODS
Flexural E-modulus	Ef	8900	MPa	DIN EN ISO 178
Flexural strength	σ fm	76,9	MPa	DIN EN ISO 178
Breaking elongation	Є fm	1,01	%	DIN EN ISO 178
Electrostatic Conductivity		> 1 x 1012	Ω	EN61340-5-1 DIN IEC 61340-4-1
Diffusion resistance coefficient	μ	1807		DIN EN ISO 12572
Density		1,71	g/cm3	ISO 1183
Heat conductance	λ10tr	0,636	W/mK	DIN EN 12664
Resistance to thermal expansion	R	0,048	m2K/W	DIN EN 12664
Thermal expansion coefficient	α	0,048	mm/mK	prEN 14581
Linear expansion coefficient		max. 48 x 10-6	m/°C	
Tensile resistance	σ fm	32,7	MPa	DIN EN 527
Water absorption		< 0,1	%	DIN EN 438 – part 12
SBI fire performance		B - s1 - d0		DIN 13501

*applicable to HIMACS FR S728 Alpine White, tested with subconstruction and insulation

Fire performance

PRODUCT CONCERNED	TEST METHOD	RESULTS
HIMACS FR - 12mm	DIN EN 13501-1, SBI	B-s1-d0
HIMACS FR - 12mm	NF P92-501:1995	M1
HIMACS FR - 12mm	DIN 4102-1 EN 13501-1	B1 B-s1-d0

HIMACS Exteria® Certificates

Fixed with KEIL inserts and a BWM structure, HIMACS façade in S728 – Alpine White successfully passed the ETA tests (European Technical Agreement).