

Technical Data Styrodur® NEO



Property	Unit	Code according to EN 13164	NEO 200 C		NEO 300 CS		Standard
Edge profile							
Surface			skin		skin		
Length x width	mm		1250 x 600		1265 x 615		
Thermal conductivity	λ_D [W/(m·K)]		λ_D	R_D	λ_D	R_D	EN 13164
Thermal resistance	R_D [m²·K/W]						
Thickness	20 mm	T1	0.029	0.65	–	–	–
	30 mm	–	–	–	0.030	1.00	
	40 mm	–	–	–	0.030	1.30	
	50 mm	–	–	–	0.031	1.60	
	60 mm	–	–	–	0.032	1.85	
	80 mm	–	–	–	0.033*	2.40*	
	100 mm	–	–	–	0.035*	2.85*	
Compressive stress or compressive strength at 10% deformation	kPa	CS(10\Y)	200		300		EN 826
Dimensional stability (defined temperature): 48 h; 70°C	%	DS(T+)	≤ 5		≤ 5		EN 1604
Dimensional stability: 70°C; 90% r.h.	%	DS(TH)	≤ 5		≤ 5		EN 1604
Deformation behaviour: load 40 kPa; 70°C	%	DLT(2)5	≤ 5		≤ 5		EN 1605
Reaction to fire	Euroclass	–	E		E		EN 13501-1 DIN 4102
	Building material class	–	B2		B2		
Long term water absorption by diffusion % v/v		WD(V)5	≤ 5		≤ 5		EN 12088
Freeze-thaw-resistance	% v/v	FT1	≤ 2		≤ 2		EN 12091
Maximum service temperature	°C	–	75		75		EN 14706

* On request

Note:
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