

STIFERENE N 300 TIPOLOGIA SENZA PELLE - SCANALATO

DESCRIPTION	Insulation board of extruded polistyrene					
Characteristics	Symbol	Reference Normative	Description	Value		Units
Declared thermal conductivity	λ_D	EN 13164	Value determined at 10°C; Thickness 30-40mm	0,034		W/mK
Declared thermal conductivity	λ_D	EN 13164	Value determined at 10°C; Thickness 50-120mm	0,036		W/mK
Thickness	d_N			30-40	50-120	mm
Compression Strength	$\sigma_{10} \circ \sigma_m$	EN 826		200	300	kPa
Dimensional stability under specific temperature and humidity	DS(TH)	EN 1604	(48+/-1)h @ (23+/-2)°C ed U.R. (90+/-5)%	2		Relative change in dimensions %
				2		Relative change in thickness %
Reaction to fire		EN 13501-1		E		Euroclass
Water vapour diffusion resistance factor	MU	EN 12086		from 80 to 100		μ
Water absorption by diffusion	WD(V)5	EN 12088	Thickness 50 mm	5		%
			Thickness 100 mm	5		%
Long term water absorption by total immersion	WL(T)0,7	EN 12087		0,7		%
Tolerance (XPS EN 13164):						
Thickness, mm		< 50	from 50 to 120	>120		T1
Tolerance, mm		+/- 2,0 mm	+3,0 mm -2mm	+ 8,0 - 2,0 mm		
Dimensions, mm		< 1000	from 1000 to 2000	from 2000 to 4000		> 4000
Tolerance, mm		+/- 8	+/-10	+/- 10		+/- 10
Note						
Temperature stability	The limit temperature in use for the panel is between -50°C and + 75°C					
Other information	To obtain further technical data call the green number 800840012					

Edition	Description	Author	Verified
Rev 1 del 14/06/2007	Technical data sheet STIFERENE N 300 SENZA PELLE - SCANALATO	F. Raggiotto	L. Tolin