

Product description

DURASID® cladding system consists of a coextruded cellular PVC-UE / PVC-U foamed board. The cladding board belongs to the group of ventilated sidings. The product has a Technical Agreement ATG with Certificate **ATG 10/2834**



Characteristics and tests on Durasid® raw material PVC-UE (foam core)

Description test	Conducted test	Value	Unit
Vicat	ISO 306-B (50)	79,3	°C
Ash content	NBN EN ISO 3451-5A	4,89	%
Density	NBN EN ISO 1183-1	1,379	g/cm ³
DHC	NBN EN ISO 182-2/3	28	min

Characteristics and tests on Durasid® raw material PVC-U (coex final covering)

Description test	Conducted test	Value	Unit
Vicat	ISO 306-B (50)	78	°C
Ash content	NBN EN ISO 3451-5A	12,4	%
Density	NBN EN ISO 1183-1/2/3	1,51	g/cm ³
DHC	NBN EN ISO 182-2/3	52	min

Characteristics and tests on Durasid® final product

Description test	Conducted test	Value	Unit
Vicat	ISO 306-B	58,2	°C
Ash content	NBN EN ISO 3451-5A	7,1	%
Density	NBN EN ISO 1183-1A	0,526	g/cm ³
DHC induction time	ISO 182-2/3	25,1	min
DHC stabilisation time	ISO 182-2/3	26,7	min
Traction characteristics at 23°C			
Traction	NBN EN ISO 527-3	13,6	N/mm ²
Elongation at break	NBN EN ISO 527-3	45,5	%
Bending characteristics at 23°C			
Flexural strength σ_b	NBN EN ISO 178	25,5	MPa
Modulus of elasticity (Flexural test) E_b	NBN EN ISO 178	1318	MPa
Length change as a result of internal stress	NBN EN 479	7,6	%
Impact resistance	EN 477	no failure	
Impact resistance E	ISO 8256-5A	23,8	kJ/m ²
Coefficient of linear expansion	ASTM D696	0,05	mm/m/°C
Fire behavior	NBN EN 13501-1	C S3 d2	
Cold resistance	NBN EN 539-2 & 1304	frost proof	
Water absorption hygric movement		absent	
Water absorption water vapor diffusion resistance number		0	
Resistance to wind loads	NBN EN 12210 & 12211		
single siding 167 mm		C2 1/1103 3800	Pa
double siding 333 mm		C2 1/913 3100	Pa
Thermal conductivity λ	EN 12667	0,0687	W/(mk)
acoustic isolation		no	
Impact resistance	EOTA TR 001	Zw.L Hrd.L	
single siding 167 mm		700 10	Nm
double siding 333 mm		700 10	Nm