

	test carried out	Durasid Original	Durasid natural	Durasid Liegegrau
Density	ISO 1183-1	0,5 - 0,6 g/cm ³	0,4 - 0,5 g/cm ³	0,4 - 0,5 g/cm ³
Vicat softening temperature	ISO 306	50 - 60 °C	50 - 60 °C	50 - 60 °C
Ash content at 1000°C	ISO 3451-A	6,0 - 8,0 %	6,0 - 8,0 %	6,0 - 8,0 %
DHC stabilization time	ISO 182-3	21 - 22 min	21 - 22 min	21 - 22 min
DHC induction time	ISO 182-3	26 - 28 min	26 - 28 min	26 - 28 min
Fire behaviour clrs 95/96/99	NBN EN 13501-1	E	-	N.P.D.
Fire behaviour other colours	NBN EN 13501-1	C s3 d2	E	E
Impact resistance	477/EN 13245-2	1,5 m	1,5 m	1,5 m
Shore D hardness	DIN 53505	58		
Flexural strength	NBN EN ISO 178	24 - 29MPa		24 - 29MPa
Modulus of elasticity E	NBN EN ISO 178	1,2 - 1,5GPa		1,2 - 1,5GPa
Tensile strength	ISO 527-2	12 - 14 N/mm ²		12 - 14 N/mm ²
Stretch at breaking point	ISO 527-2	42 - 52 %		42 - 52 %
Shrinking	EN 479	≤ 6,0 %	≤ 6,0 %	≤ 6,0 %
Tensile impact strength clrs 95/96/99	NBN EN ISO 8256	13,5 kJ/m ²		
Tensile impact strength other colours	NBN EN ISO 8256	17,9 kJ/m ²		≥ 13,5 kJ/m ²
Linear thermal expansion coefficient ⁽¹⁾	ASTM D696	0,055mm/m/°C		0,055mm/m/°C
Frost resistance	NBN EN 539-2 & 1304	frost-resistant	frost-resistant	frost-resistant
Water absorption	Moisture movement	none	none	none
Water absorption	ISO 2179			
Wind resistance	EN 12211	C2	C2	
Thermal transfer coefficient	EN 12667	0,07 W/mK		
Impact resistance, service test	EOTA TR 001	100 - 400 Nm & 6 Nm		
Impact resistance, safety test	EOTA TR 001	700Nm & 10 Nm		

(1) Except for anthracite (95), quartz grey (96) and blue grey (99)

Please always check that the use of the Durasid® cladding conforms to the prescribed standards and the applicable building and fire regulations.