		HNICAL DATA	CAL DATA SHEET					
CLADMATE Facada Systems	**THERMAWOOL							
Product Name	WALLCLAD							
Standard	Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification							
Description	Mineral wool - Thermal insulation material formed by melting of basalt stone at 1350°C-1400°C into fiber - for thermal, sound and fire insulation product							
Surface Facing	Not faced							
Area of Usage	Premium F series used for heat and sound insulation, and as fire coating exterior surfaces safely.							
Product Performance	Technical Characteristics	Test Method	Units	Value or Statement				
	Tension Force Perpendicular to Surface/	EN 1607	kPa	10				
	Thickness / d	EN ISO 29466	mm	30 - 200				
	Tolerances - T5		-1% or -	-1 mm; +3mm absolute large value in tolerance.				
	Length / I	EN ISO 29465	mm	1200				
	Midah / h	EN ISO 29465	Tolerances ±25	70			600	
	Width/ b	1	Tolerances ±1,5	%				
	Squareness/ S _b	EN 824	mm/m	max.5				
	Flatness/ S _{max} Density / D	EN ISO 29468 EN ISO 29470	mm kg/m³	max.6 120				
	Density 7 D	To	lerans (Tolerances)					
	Thermal Conductivity	EN 12667 EN 12939	W/m.K	0.036 0.038				
	Thermal Resistance / R _d	EN 12667 EN 12939	mm (m².K)/W		50 60 1.35 1.65	70 80 1.85 2.15		180 200 4.70 5.20
	Point Load	EN 12430	N	NPD 300.00 500				
	Determination of compression behaviour Density / D	EN ISO 29469 EN ISO 29470	kPa kg/m³	NPD 35 50 140				
		EN 12667	lerans (Tolerances) W/m.K	±10 % 0.036	0.037	0.038	0.037	
	Thermal Conductivity	EN 12939 EN 12667	mm		50 60	70 80	100 120 140 150	160
	Thermal Resistance / R _d	EN 12939	(m².K)/W	0.80 1.10 1	1.35 1.60	1.80 2.10	2.55 3.05 3.55 3.80	4.10
	Point Load	EN 12430	N	NPD	400	500	600	
	Determination of compression behaviour	EN ISO 29469	kPa	NPD	40	50	60	
	Fire Reaction Class	EN 13501-1	Euroclass	A1				
	Short Term Water Absorption/ WS	EN ISO 29767	kg/m²	<u>41</u>				
	Long Term Water Absorption/ WL(P)	EN ISO 16535	kg/m²	≤3				
	Determination of dimensional stability under specified temperature	EN 1604	÷	DS(70,-)				
	Water Vapour Permeability / MU	EN 12086	μ	1				
	Air Flow Resistance/ Afr	EN 29053	-	NPD				
Storage	The products should be stocked closed. If the storage area is open, the entire surface of the packages must be covered with cover or tarpaulin.							
	Product packages should be protected from water, moisture and sunlight in the storage area.							
	Appropriate work safety clothing and equipment must be used to protect the skin, eye and upper respiratory system during transport.							
	Product packages should be placed on at least one pallet which should not be in direct contact with the ground at storage area.							
	Products must be covered with a tarpaulin when shipped.							
	Do not leave any material on the products in such a way as to damage the package and the product.							
	Palletized products should not be stacked and stored on top of each other.							
	The opened packages must not be disposed of and must be disposed of in accordance with the regulations.							