Data Sheet
EKATEC / Silvercladd 350 Jacketing

The EKATEC / Silvercladd foil is a double layer laminate of aluminum, coated with a special UV protection and a PVC backing. This system is highly puncture and tear resistant as well as flame retardant and can be used for exterior and interior facing of hot and cold insulation. It combines an excellent vapour barrier with water tightness. Due to the curling effect, the foil is particularly suitable for insulation application especially on pipes, even for small diameters.

Technical Data:			
Total weight:	approx.	512 g/m²	EN 22 286
Thickness:	approx.	350 µm	
Tensile strength:	MD	290 N/15 mm	EN ISO 527-3
	CD	250 N/15 mm	EN ISO 527-3
Elongation:	MD	35%	EN ISO 527-3
	CD	30%	EN ISO 527-3
Tear strength:	MD	90 N	EN ISO 527-3
	CD	70 N	EN ISO 527-3
Puncture Ø 0,8 mm:		28 N	prEN 14 477
Puncture Ø 3,0 mm: (from alu-side)		116 N	prEN 14 477
Nail tear strength:	MD	63 N	EN 12310-1
	CD	83 N	EN 12310-1
Limited oxygen indication LOI:		35,5 %O2	ASTM D 2863-77 ISO 4589
UV-light resistance testing:			ASTM G 26A ISO 4892-2
Water vapour permeability WVTR		< 0,03 g/m²/d	ASTM F1249 ISO 15106-2
Sd-value:		> 1.300 m	
Emission ratio:		approx. 94%	
Temperature resistance:		-25 to +50 °C	
Fire classes:		Class 0	BS 476, part 6&7
		Class 1	UL 94 V
		B_L – s2, d0	SBI
Radiant panel index		0,37	ASTM E162-02e
Flaming mode 1,5 min.		1	ASTM E662-03
Flaming mode 4 min.		3	ASTM E662-03
Non-flaming mode 1,5 min.		0	ASTM E662-03
Non-flaming mode 4 min.		0	ASTM E662-03
Material testing:			
According to internal material specification			

Color divergences between foil, form parts and adhesive tape are possible. Installing/Working is not recommended by lower temperature. The information in this data sheet is based on our topical knowledge, experiences, as well as information of the manufacturer. The sheet does not contain a bill of sale or an assurance. No representation of warranty is made for specific product properties or concrete applications. All applicable current standards must be observed and followed . This document will supersede all previous data sheets.

Edition: 05.2021

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