

AKOS self-adhesive acoustic separation layer



Description

AKOS is a sound-insulation material for the deadening of metallic roof covers and front elements. It is particularly suitable for adhesion on metallic or painted surfaces and can be used for all current non-ferrous metals.

AKOS consist of minerally filled polyolefin (constituents: chalks, polymers, process oils) with acrylate self-adhesive coating on the underside.

AKOS provides for a silencing of loudness according to Prof. Zwicker, DIN 45631 (muffling of noises up to 8 dB)

Technical characteristics

• Overall thickness		approx. 0,5 mm	
• Mass per unit area		approx. 0,8 kg per sqm	
• Length per roll:		100 running metres	
• Standard widths		500, 300, 150 mm	
• Special widths		on request	
• Fire classification (glued)		E	DIN 4102
• Thermal conductivity λ		0,26 w/m ² k	DIN 52612
• Temperature stability		from minus 30° C to plus 95° C	
• Low-temperature resistance (24 hrs. at -30°C)		okay	
• Resistance to heat (16 hrs. at 95°C)		okay	
• Tensile strength longitudinal		> 4,8 N/sqmm	DIN 53504
• Tensile strength transversal		> 4,5 N/sqmm	DIN 53504
• Elongation at break	longitudinal	> 70 %	DIN 53504
• Elongation at break	transversal	> 200 %	DIN 53504
• Fluid resistance to		motor oil, cleaning agents, petrol, bitumen	

Processing instruction:

The surface to be glued must be clean, dry, grease-free, non-corroded and with an adhesive property.

The information provided in this paper does not release the buyer from his obligation to check the materials used for the suitability for the intended purpose or application.

Our informational material is meant to provide advice to the best of our knowledge; the contents, however, are not legally binding. We reserve the right to make technical changes.

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