

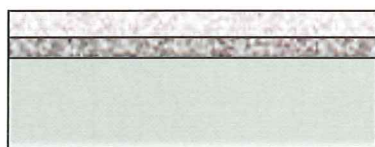


Technical data sheet **ALU-TEX** foil and Elbows

Rigid UV-ALU-PVC covering for technical insulation use **ALU-TEX 350**

ALU-TEX 350 is a multi layer laminate of aluminium, coated with a special UV protection film and a PVC backing. This system is highly punctured 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 its rolling curl effect it is an easily useable material for rapid covering. In this application one of the most important requirements is to be resistant to damaging environmental effects.

Construction



- UV – Protection film
- Aluminium, glossy
- PVC [FR]

Characteristics

- The UV-ALU-PVC film is self-extinguishing by its nature. Depending on customer requirements we produce normal and low inflammable types of this film.
- Acid-, alkali-, salt solution-, fat-, oil-, bacterium- and fungus-resistance.
- Excellent physical features, such as flexibility and elasticity.
- Resistance to temperature changes. Stability between 20°C and 70°C in internal use.
- No special care or maintenance required due to antistatic components.
- Surface: smooth with dull finish on one side.

Technical data

Total weight	495 g/m ²
Thickness appr.	0,350 mm
Thickness tolerance	± 0,05 mm
Width	1000 / 1200 / 1065 mm
Width tolerance	± 2 mm
Tensile strength	min. 285 N/ 15 mm (EN ISO 527-3)
Elongation at break	35 % (EN ISO 527-3)
Tear strength	90 N (EN ISO 527-3)
Puncture Ø 3,0mm	110 N (prEN 14 477)
LOI [Limited oxygen index]	35,5% O ²
UV stability	App. 8 years (internal weatherometer-test)
Sd-Value	1500
Temperature resistance	-25 to +65 °C

The specification of our product will be conforming to the new EC standard of PVC jacketing film for insulation. Subject to change without notice. All values are due to internal measurements and must be seen as benchmarks without any claim for guarantee.

Physical and chemical stability [f. UV – Protection film]

Acids	Acetic acid / all concentrations	●	Chlorinated hydrocarbons	Carbon tetrachloride	□
	50% formic acid	●		Chlorinated pyphenyls	□
	10% hydrochloric acid	●		Chloroform	●
	30% hydrochloric acid	□	Esters	Trichlorethylene	●
	10% and 35% hydrofluoric acid	●		Ethyl acetate	●
	10% nitric acid	●	Hydrocarbons	Aliphatic hydrocarbons	●
	65% and 100% nitric acid	○		Benzene	●
	30% and 85% phosphoric acid	●		Gasoline (petrol)	●
	20% sulphuric acid	□		Mineral oils	●
	Sulphur dioxide gas, dry	●		Toluene	●
	80% and above sulphuric acid	○		Xylene	●
Aldehydes	Acetaldehyde	●	Miscellaneous substances	Chlorine	●
	Formaldehyde	●		Hydrogen peroxide	●
Alcohols	Benzyl alcohol	□		Oxygen	●
	Cyclohexanol	●		Water*	●
	Ethyl alcohol	●	Other organic solutions	Acetone	●
	Glycerine	●		Diethylether	●
	Glycol	●		Nitrobenzene	○
	Isopropyl alcohol	●	Salt solutions	Phenol	○
	Methyl alcohol	●		Alkaline carbonates	●
Aqueous alkaline solutions	Ammonium hydroxide	○		Dichromate	●
	Calcium hydroxide	□		Cyanides	●
	Sodium hydroxide	○		Fluorides	●

Resistant



Not resistant



Partially resistant



Packaging

The films are rolled on cardboard cores with 5mm wall thickness and 50mm internal diameter. Ends of the rolls are fixed by adhesive tape and rolls are packed in PE film [as option] fixed also by PVC adhesive tape. Rolls are placed in wooden or paper box or on EUR pallets (800x1200mm). In case of any questions of application and installation we kindly offer our service.

- Compact, space-saving packaging, required storage space per pallet: app. 1 m²
- Rolls packed lying on the pallet, thus easy to remove.
- Pallets are currently not stackable
- Packing units: Standard pallet: 50 rolls of 25 m² each = 1250 m²
- Small pallet: 20 rolls of 25 m² each = 500 m²
- Roll length: 25 m for material with curl effect

Approvals

These products conform to all relevant requirements of the building industry as approved by the 'Deutsches Institut für Bautechnik' (German National Board of Building Industry). Also, a number of successful test results have been achieved in many West-European countries according to their own requirements.