



ISOLPAK ALU OUTDOOR



Isolpak® ALU

The Innovation for Outdoor applications

Isolpak ALU is an innovative insulation jacketing for outdoor use. Isolpak ALU is the consistent further development of PVC Isolpak, the undisputed market leader in Italy of the plastic insulating covering. The meanwhile proven multi-layer construction provides unprecedented features in technology and efficiency.



Innovative



Extreme
UV-Protection



Great value for money



Accessories



The key success factors of Isogenopak and Isolpak, such as simple installation and machine-free handling, have been combined with new high technological foil and were further developed and improved to a economic alternative to current real metal jacketing systems.

• ALUMINIUM LOOK

Isolpak ALU combines the technical advantages of plastic and aluminum, but is a cost-effective alternative to real aluminum sheets.

Even strong deformations represent no problem for the film, as it returns to the starting position. Dents and bruises are a thing of the past. Especially on project sites where artisans still have to finish other work you can be sure that your Isolpak ALU installations still looks great after a few weeks.

• NEW POSSIBILITIES

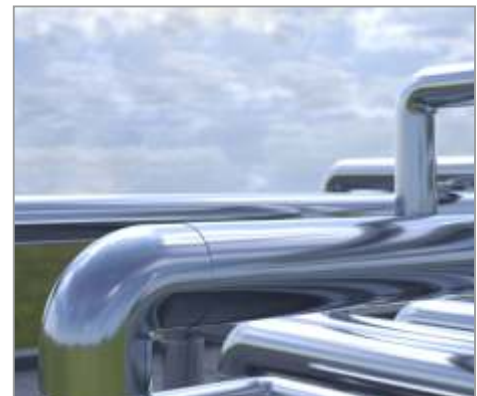
Due to the highly UV-protective film Isolpak ALU has an advantage also in difficult environments such as on the roof for solar collector pipes, etc.

• DURABILITY

The high chemical resistance combined with low thermal conductivity ensures that the long term investment pays off.



International construction projects have different product requirements. TTM completes the system with a white and black version, all project types and colors.



Isolpak® ALU Jacketing

Perfect appearance paired with economic advantages

Isolpak ALU differs to other PVC sheaths in particular because of its metallic appearance. Especially thanks to the intermediate layer of pure aluminum. A layer of an extremely durable UV-protective film protects the middle layer of aluminium from harmful external influences and corrosion, this guarantees that functionality and appearance in the long run.



Dents and indentations are a thing of the past, even after months of construction the foil will be still in top condition.

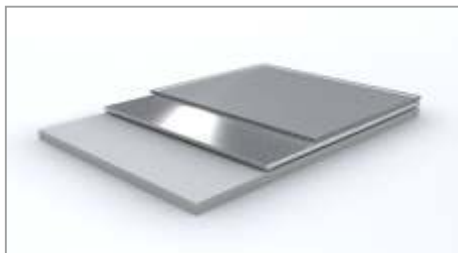
The perfectly smooth surface also allows for quick and easy cleaning as a compared to embossed aluminium installations.

Slight irregularities in the pipe insulation will be invisible because of the smooth and homogeneous surface. The curling effect completes a perfect, clean and fast installation.

Also, larger pipe diameter can be coated with Isolpak ALU, for those though we recommend thicker versions up to 0.75 mm which then are also a bit stiffer in the construction.

Accessories

- Isolpak ALU - bends 90° and 45° [S, W, 3S]
- T-Profiles
- Adhesive tapes [UV-ALU & Butyl]
- Nails and PVC staples



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Elbow Isolpak® ALU
3S, W, S closed & segment optic



Isolpak® ALU tape
Adhesive tape for outdoor applications [2 and 4 layer]

Jacketing Isolpak® ALU

Unbeatable advantages, low material cost, ease of Material preparation and fast installation

Costs and resources are becoming increasingly expensive, Isolpak ALU is more favorable and less volatile than metals and metal sheets and can be simply fastened with rivets and special UV-protection tapes.



A sign for the environment, hygiene and safety

Isolpak ALU does not use any heavy metals

Free of ozone-depleting CFC and HCFC compounds

The material is almost [$<0.5\%$] completely free of plasticizers

Free of silicones

Isolpak ALU can be used without any restriction in food processing plants.

Large fluctuations in the metals prices have always resulted to uncertainty when calculating the project prices. Different thicknesses need to be stored and are then on stock. Not so with Isolpak ALU, one or maximum two thicknesses are enough for almost all standard pipe diameters. A supply chain optimum can be guaranteed.

During the processing of Isolpak ALU, only litt waste is produced, the portions of the material can be mostly re-used. A sign for the environment, hygiene and safety.

For the application it does not require expensive equipment and trained staff. A matching cutting table and the necessary tools and you can start immediately.

The easy and quick processing of Isolpak ALU allows daily a high meter output. The standard rolls of 1000mm x 25m only weigh about 12,5kg and can be easily carried anywhere and cut at the sight.



- Innovative
- Extreme UV-Protection
- Great value for money
- Accessories

Description	Value	Unit	Test method
Standard thicknesses	200, 230, 280, 340, 450	μm	
Tensile impact strenght	> 285	N/15mm	EN ISO 527-3
Elongation at break	35	%	EN ISO 527-3
Puncture resistance 3,0mm	110	N	prEN 14 477
Fire class	B1	on request	DIN 4102
Impact strenght	≥400	kJ/m²	ISO 8256
Tensile strenght	> 35	N/mm²	ISO 527
Sd-Value	ca. 1600		
LOI (Limiting Oxygen Index)	35	% O ₂	ASTM D 2863-77

Jacketing Isolpak® ALU

References all over the world

The ISOLPAK ALU system has been on the market for almost 15 years since its development. Millions of square meters have been successfully installed in all parts of the world.



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UV-Protection



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Accessories



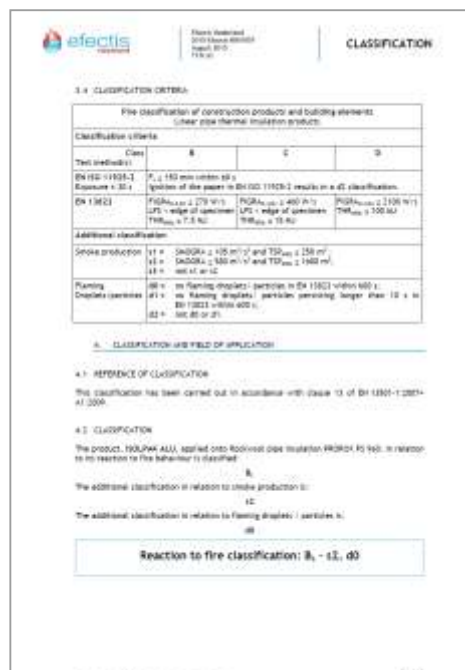
Isolpak ALU®

The Innovation for Outdoor applications

Certifications

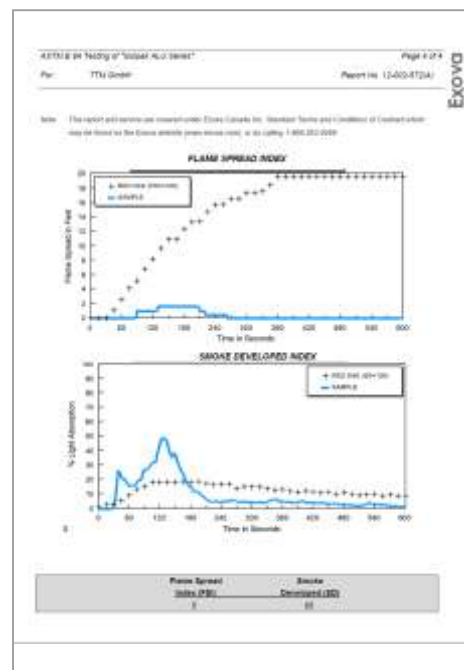
TTM has been testing the ISOLPAK ALU systems against various national fire protection regulations for more than 20 years with very positive results

Fire classification EN 13501

EN ISO 13501-1: B S₂ D₀

Fire classification ASTM E 84

ASTM 85 5 / 85



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UV-Protection



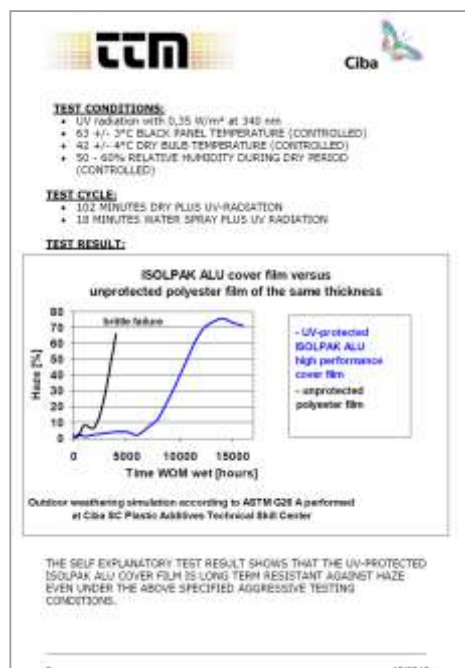
Great value for money



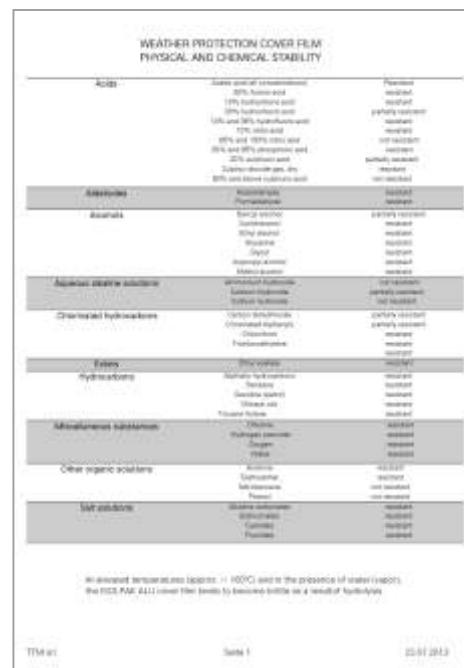
Accessories

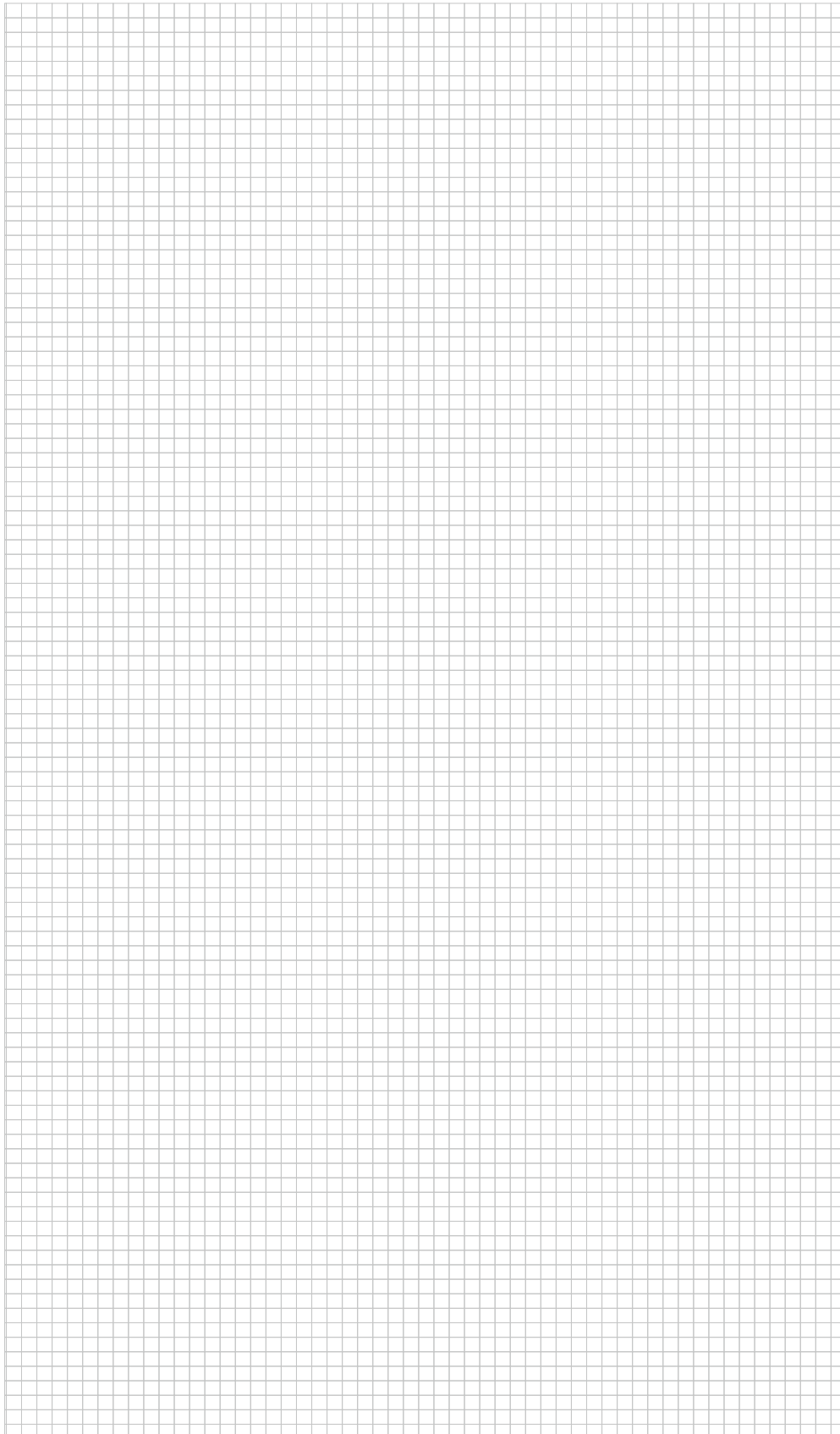


UV OUTDOOR RESISTANCE

ASTM G26 A: $>10,000\text{h} = >10\text{ Years}$ 

PHYSICAL AND CHEMICAL





Innovative



Extreme
UV-Protection



Great value for money



Accessories



EXCLUSIVE PARTNER

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Subject to change. If in doubt please get in touch with us.

The application examples can be taken into account as particular situations. We decline, therefore, every responsibility for other applications.