



# General catalogue



# TTM - Thermo Tecno Management

As one of the European market leaders in the production and distribution of technical insulating sheets, technical adhesive tapes and aluminum end caps, we aggregate a professional production backed by high-level consultancy, Innovation and know-how leading to a higher satisfaction for our customers.



Innovative



Extreme  
UV protection



Normal protection



Outdoor application



Recyclable



Great value for money

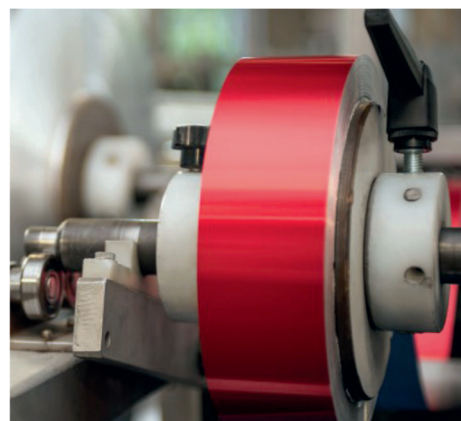


Accessories



We understand logistics and we are able to ensure optimal management of large amounts in a small space, this allows a continuous, transparent and effective supply chain. At the same time it is important for us to constantly encourage our employees, which are the platform for the development of TTM.

We are a family owned business based in Alto Adige-Südtirol which is steadily increasing since 40 years. Our products and our service allow us to have customers throughout Europe, Russia and the USA.



TTM is a bridge that connects the manufacturers of materials for technical insulation and the industry. The company not only sales insulations products, but also plays a role of the consultant, who can understand the requirements of each individual project and proposes/provides the most suitable products in order to solve all the relevant issues.



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## Jacketing in PVC Isolpak

Isolpak is a special rigid PVC jacketing film for insulated piping. This plastic sheet ensures a clean installation. Its application is easy and fast due to the curl (recoil) effect.

For jacketing of insulated pipes. A dry, clean fitting is guaranteed.

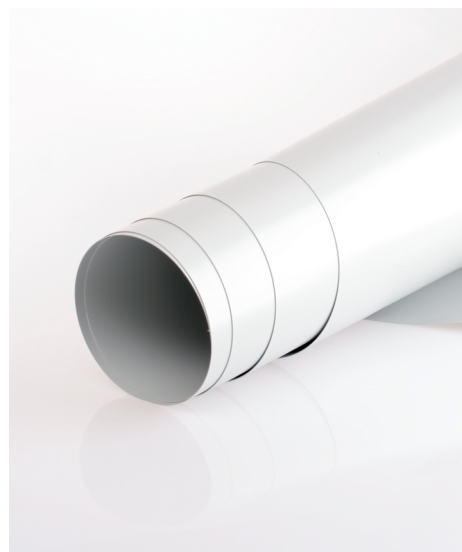
The inherent curl makes it the ideal material for quick and easy covering.

Isolpak is self-extinguishing and has considerable resistance to acids, alkalis, salts, oil, petrol, aliphatic hydrocarbons and corrosive atmospheres. In addition, the material cannot corrode and is virtually impermeable to water vapour. It is unaffected by fresh and salt water and is impervious to gases, grease and oil.

Isolpak is very light: one square metre, 0.350 mm thick, weighs only about 500 g. This low weight and ease of stacking facilitates transportation and storage.

Physiologically harmless, Isolpak has a light grey smooth surface which guarantees a long lasting elegant appearance. It requires no care or maintenance and also has very good antistatic characteristics.

The material has considerable resistance to temperature changes and is stable from -20°C up to +55°C in indoor use. The thermal conductivity  $\lambda$  of Isolpak is 0.16 W/mK.



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Material	temp. °C resistance	
Acetaldehyde up to 40%, aqueous	20	□
Acetone, aqueous	20	○
Aldehyde, 100%	20	○
Aluminium salts	40	●
Ammonia, aqueous	40	●
Ammonia, gaseous	60	●
Benzene (pure aliphatic hydrocarbons)	60	●
Benzene-benzole mix (fuel)	20	□
80/20% (carb.)		
Chlorine, gaseous (>1%), wet	20	□
Chlorine, gaseous, dry	20	□
Hydrogen chloride, dry	60	●
Iron salts, diluted solutions	40	●
Iron salts, saturated solutions	60	●
Acetic acid, 25-60%	60	●
Ethyl alcohol, solutions	40	●
96%	60	□
Glycerine	60	●
Potassium hydroxide solution, 50%	60	●
Potassiferous salts	40	●

Material	temp. °C resistance	
Sodium chloride	40	○
Carbon monoxide, 100%, gaseous	60	●
Methyl alcohol, every conc.	40	●
Mineral oils	60	●
Sodium hydroxide, 60%, aqueous	60	●
Mercury	60	●
Nitric acid, diluted, aqueous 30-50%	50	●
Nitric acid, diluted, aqueous 50-65%	20	●
Nitric acid, diluted, aqueous 98%	20	○
Hydrochloric acid, aqueous up to 30%	60	●
Hydrogen, gaseous	60	●
Sulphur dioxide, gaseous (wet)	40	●
Sulphur dioxide, gaseous (dry)	60	●
Sulphuric acid, 40-80%	60	●
Sulphuric acid, 80-90%	40	●
Sulphuric acid, 96%	20	○
Sulphuric acid, 96%, fuming	60	□
Carbon tetrachloride	20	○
Hydrogen, gaseous	60	●

● resistant    □ resistant under certain conditions    ○ non resistant

## PVC elbows

For the jacketing of the elbows and connections there are available special preformed bends and T-sections in many different sizes.

Our complete product range guarantees that the system looks complete and professional. Especially to ensure an easy and fast optimized application of the different accessories like: preformed bends, t-sections, Coroplast adhesive tape, aluminium end caps, special nails and glue. Every accessory is perfectly matching the original colour of Isolpak to guarantee a perfect optic.



,S and 3S-Standard in 90° and 45°, W bends with short radius and H bends with long radius - T/sections

### Technical data for the Isolpak and the foil for the PVC preformed bends

Characteristic	Value	Unit	Measuring method
Moisture resistance factor $\mu$ .....	ca. 60.000	---	DIN 52615
Impact strength.....	400	kJ/m <sup>2</sup>	DIN EN ISO 8256
Tensile strength.....	>35	N/mm <sup>2</sup>	DIN EN ISO 527
Elasticity modulus.....	ca. 1.800	N/mm <sup>2</sup>	DIN EN ISO 527
Linear heat expansion coefficient.....	0,9 x 10 <sup>-4</sup>	1/K	Leitz Dilatometro
Emissivity $\epsilon$ .....	97	%	ISO 10292-A

### Standard range, other special dimensions on request

◆◆ = Available and on stock

◆ = Available on request

External thickness		Insulation thickness (mm)											
mm	Pipe diam.	10	15	20	25	30	40	50	60	70	80	90	100
12			◆	◆									
17	3/8		◆	◆◆	◆◆	◆◆	◆◆	◆					
21	1/2	◆	◆	◆◆	◆◆	◆◆	◆◆	◆◆					
27	3/4			◆◆	◆◆	◆◆	◆◆	◆◆					
34	1			◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆	◆◆		◆
43	1 1/4			◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆	◆◆		
48	1 1/2			◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆		◆	◆
60	2			◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆	◆◆	◆	◆
70				◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆			
76	2 1/2			◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆
89	3			◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆
102				◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆			◆
108				◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆			◆
114	4		◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆		◆	◆	
134				◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆			◆
140	5			◆◆	◆◆	◆◆	◆◆	◆◆		◆◆	◆	◆	◆
159				◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆			◆
168	6			◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆◆	◆	◆	◆
194					◆◆	◆◆	◆◆	◆◆	◆◆	◆◆			◆
219					◆◆	◆◆	◆◆	◆	◆	◆			
267					◆◆	◆◆		◆	◆				◆
273	10			◆◆						◆			
324	12				◆◆	◆◆		◆					



Normal protection



Recyclable



Great value for money

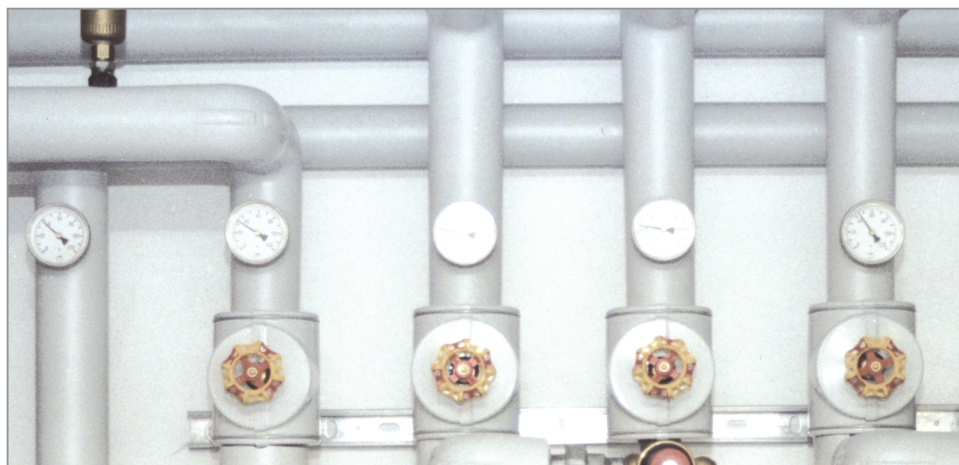


Accessories



## Accessories for mounting

The program Isolpak is applicable to every kind of insulation. The metal or plastic pipes need to be insulated with the different insulation materials like glass or rock wool, polyurethane, EPS or elastomeric insulation.



First the insulation must be attached to the pipe without gaps. When using mineral wool sections, loose fill wool can be used to cover the bends and other shapes.

The insulation has to be affixed to the pipe consistently.

To attach the Isolpak jacketing we advise to start with the moulded pieces, e.g. bends and T-sections.

Allow an extra 20-30 mm for overlapping. Because of the curl effect Isolpak clings around the insulation pipe almost by itself. Isolpak is fixed along the longitudinal seams either by using plastic push-in rivets in distances of about 150mm or special solvent-based adhesive continuously along the seams.

Along the overlaps Coroplast 252 SE adhesive tape can be used.

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Accessories



## Terminali

For a neat finish of the Jacketing in PVC, ALU or Isolpak ALU there aluminum end caps in all different sizes available.

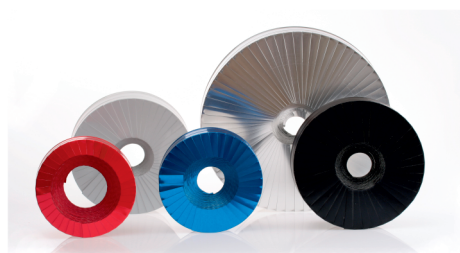


They are available in natural aluminum, Isolpak gray, red, blue and black for the distinction of outward conduct hot and cold return, and the other pipelines that carry fluids.

**NEW:** Also available as PVC end caps in Isolpak color, black, sand grey and white color.

### Available dimensions

Insulation thickness	length	m/box	m/carton
1/2"	15 mm	10 m	50 m
3/4"	20 mm	10 m	50 m
1"	25 mm	10 m	50 m
1 1/4"	30 mm	10 m	50 m
1 1/2"	40 mm	10 m	50 m
2"	50 mm	10 m	50 m
2 1/2"	60 mm	10 m	50 m
3"	70 mm	10 m	100 m
3 1/4"	80 mm	10 m	100 m
4"	100mm	10 m	100 m

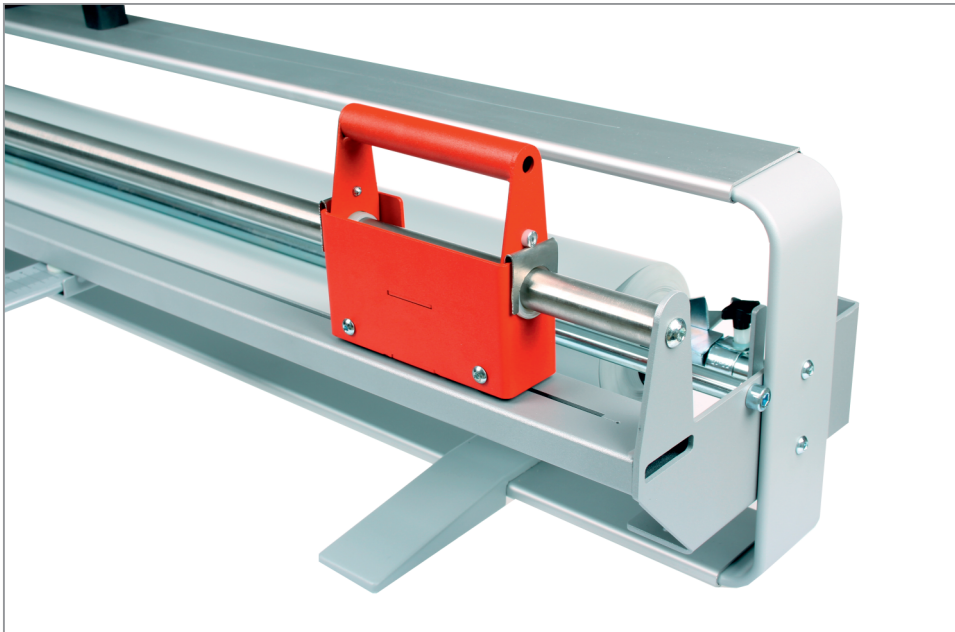


### Terminali

to complete the jacketing available in:  
aluminum, red, blue, black and grey Isolpak

## Cutting unit

For cladding and jacketing foils in PVC, PE, PP, ALU



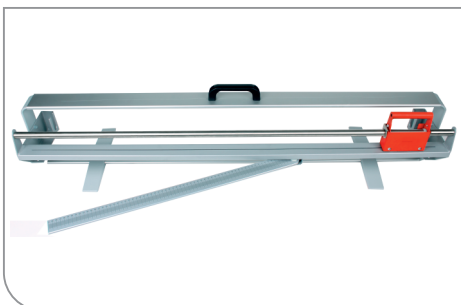
- compact and easy handling
- handhold for easy transportation
- easy unwind the foil
- up to 20% faster

- **NEW:** with meter [up to 70cm]!
- fast moving sliding carriage on wheels
- suitable for lefties and righties
- no lubrication needed
- perfectly straight cut



- the centre blip for a fast exchange
- the precise position of the roll in the cutter unit guarantees perfect unwinding

- handle bar can be removed
- cutting thicknesses up to 0,42 mm
- strong but light aluminum frame
- simple removable high quality blades - Martor Solingen (D) easily replaceable
- up to 1000 cuts per side



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Accessories

### Available sizes / tables

for foils	length/width/height	weight*
100 cm	127 x 22 x 30 cm	11,5 kg
120 cm	147 x 22 x 30 cm	12,5 kg
140 cm	167 x 22 x 30 cm	13,5 kg

Packaging: carton box (product unmounted)  
\* weight of the table without foil

## Coroplast Tape 252 SE

plasticized PVC adhesive tape  
ideally for ISOLPAK cladding system



## Coroplast Tape 301

plasticized PVC adhesive tape [with  
VDE approval]



Applications, properties and advantages:

- DIN EN 60 454-3-1, F-PVC/105/A-Tx
- sealing tape for insulating foils (i.e.: ISOGENOPAK); and the construction of air conduits
- anti-corrosion tape for exposed pipes (with Coroplast Primer)
- anti-corrosion tape for internal lines
- can be applied easily even at low temperatures
- very good ageing properties
- flame retardant and self-extinguishing
- resistant to a large extent to dilute acids and alkalis
- ductile film

Applications, properties and advantages:

- DIN EN 60 454-3-1, F-PVC/105/A-Tx TIPO 10
- for all normal insulating work, repairing of damaged insulation [rubber, PVC, PE, ...], taping of cable ends and branchings, stripping of armatures and coils, marking.
- bundling and binding of cable harnesses
- flame retardant and resistant to ageing in accordance with conditions of VDE 0340, part 1/5.75
- resistant to a large extent to dilute acids and alkalis.
- resistant to motor vehicle operating fluids
- unchanged favourable material properties following application even with varying temperatures
- thanks to its high ductility can be applied without folds around all uneven surfaces

Normal protection



Accessories



### Technical data

backing material	plasticized PVC film
adhesive	acrylic
tape thickness	0,15 mm [±0,03mm]
color	light grey 788
width	19, 25, 30, 38 and 50
length	25 and 33
tensile strength	25 N/cm
elongation at break	190 %
adhesion to steel	2,0 N/cm
adhesive strength to backing	2,2 N/cm
temperature resistance	-10 up to +105° C
water vapour permeability	< 40 g/m <sup>2</sup> x 24 h

### Technical data

backing material	plasticized PVC film
adhesive	acrylic
tape thickness	0,10 mm [±0,03mm]
color	black, grey, white, blu, yellow, green, red.
width	19, 25, 30, 50 and 100
length	25 and 33m
tensile strength	20 N/cm
elongation at break	180 %
adhesion to steel	1,8 N/cm
temperature resistance	-10 up to +105° C
water vapour permeability	< 40 g/m <sup>2</sup> x 24 h



## TTM PVC Tape 352 FR

plasticized PVC adhesive tape  
ideally for ISOLPAK cladding system



Applications, properties and  
advantages:

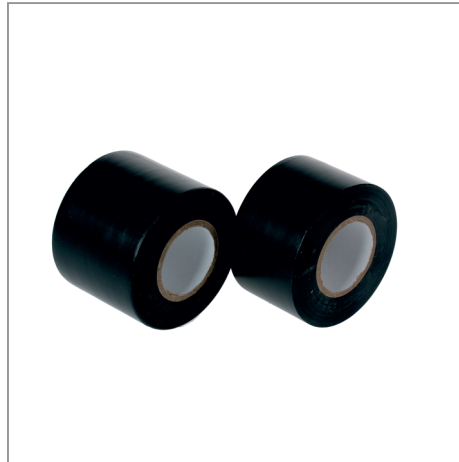
- sealing tape for insulating foils (i.e.: ISOLPAK, ISOGENOPAK); and the construction of air conduits
- with plastic side protection plates
- can be applied easily even at low temperatures
- very good ageing properties
- flame retardant
- resistant to a large extent to dilute acids and alkalis
- ductile film

### Technical data

backing material	plasticized PVC film
adhesive	rubber
tape thickness	0,13 mm
color	light grey 788
width	19, 25, 30, 38 and 50
length	10, 25 m
tensile strength	20 N/cm
elongation at break	200 %
adhesion to steel	1,5 N/cm
adhesive strength to backing	2,6 N/cm
temperature resistance	-12 up to +80 ° C
water vapour permeability	< 50 g/m <sup>2</sup> x 24 h

## TTM PVC Tape 701

plasticized PVC adhesvie tape



Applications, properties and  
advantages:

- for all normal insulating work, repairing of damaged insulation [rubber, PVC, PE, ...], taping of cable ends and branchings, stripping of armatures and coils, marking.
- bundling and binding of cable harnesses
- flame retardant and resistant to ageing
- resistant to a large extent to dilute acids and alkalis
- unchanged favourable material properties following application even with varying temperatures
- thanks to its high ductility can be applied without folds around all uneven surfaces

### Technical data

backing material	plasticized PVC film
adhesive	rubber
tape thickness	0,10 mm
color	black, different colors
width	19, 25, 30, 38 and 50
length	10, 25 m
tensile strength	18 N/cm
elongation at break	190 %
adhesion to steel	1,5 N/cm
temperature resistance	-12 up to +80 ° C
water vapour permeability	< 50 g/m <sup>2</sup> x 24 h

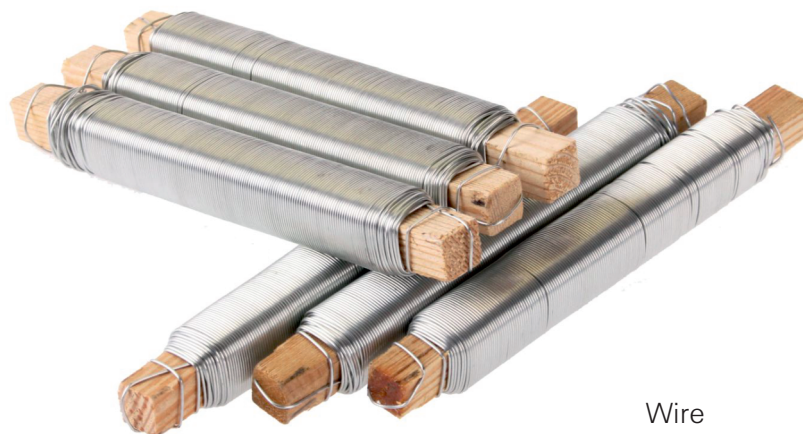


Great value for money

Accessories

## Fastening and mounting accessories

Wire - Adhesive - Nail puncher - PVC Nails



### Wire

Galvanized wire to fastening of insulation.

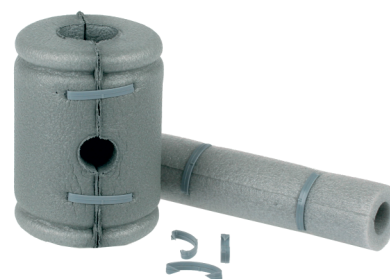
### Adhesive for PVC

(apply with a brush, wait until the Isolpak melts slightly and close with slight pressure)



### Clips in PE

for the closure of elastomeric foam tubes



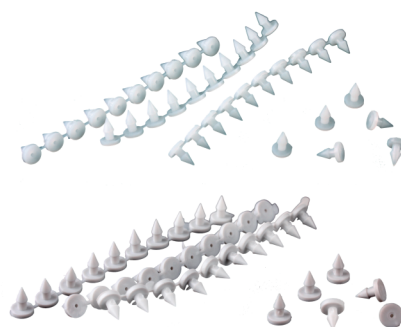
### Nail puncher

to insert the PVC nails into the PVC foil



### Nails

PVC nails in white and grey color



Innovative



Great value for money

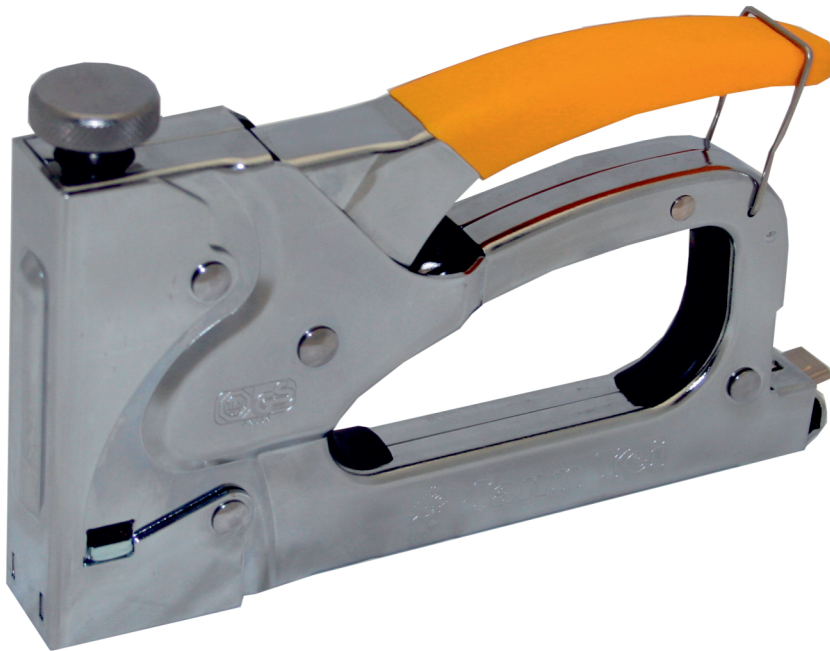


Accessories



## Fastening and mounting accessories

Stapler - Adhesive - Nail puncher - PVC Nails



Stapler / Tacker  
for PVC plastic staples

### Metal hooks

for attaching wired mad blankets  
Widths: 95mm & 115mm



### Vinyl bandage/tape

Protection and aesthetics for insulated pipes  
with elastomer or other insulation materials. Permit,  
to their small size, they used in limited spaces.



Technical data / vinyl tape			
Description	U.m.	Value	DIN
Thickness	mm	0,10	DIN 53370
Weight per m <sup>2</sup>	Gr/m <sup>2</sup>	115	DIN 53352
Stability term. lo/tr	%	+ -3%	DIN 16938
Tensile strength .	N/mm <sup>2</sup>	19	UNI 3789
Tensile strength h..	N/mm <sup>2</sup>	16	UNI 3789
Elongation a.b. long	%	200	UNI 37890
Elongation a.b. tras	%	190	UNI 3789
Resist. laceraz. lon	N/m	50	ASTM 624
Resist. laceraz. tra	N/m	47	ASTM 624



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Great value for money



Accessories



## Embossed aluminum

Embossed aluminum foil 99.5% for the jacketing of insulated pipes, easily installable due to the curling effect. The embossing increases the mechanical strength of the foil.



The jacketing alternative to Isopak PVC but with a greater fire protection. (i.e. emergency exits)

The wide range of special pieces such as bends, T-connections and boxes for valves allow a complete and easy installation.

### Method of application:

Cut the required length of the foil on a special cutting unit. Wrap the insulated pipe, fix the joints with aluminum tape Coroplast or with special nails [with an applied magnetic drift]. The curves are available premolded in different sizes.

### Limit of use:

- Maximum diameter of the pipe 500 mm
- Surface temperature 250 °C
- Application with low internal mechanical stress

Also available in various thicknesses and widths without curl effect for industrial applications.

length	width	thickness
25 m	100 cm	0,20 mm
25 m	100 cm	0,10 mm
50 m	100 cm	0,05 mm
100 m	100 cm	0,20 mm
200 m	100 cm	0,10 mm

\*other dimension on request



Preformed ALU bends  
in embossed aluminum



Metallic nails  
and fastening tool

Extreme  
UV protection



Recyclable



Great value for money



Accessories



## Isolpak ALU / ALU WHITE / BLACK

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 insulation covering. The meanwhile proven multi-layer construction provides unprecedented features in technology and efficiency.



The key success factors of Isogenopak and Isolpak like the easy installation and machine free handling were combined with new high technological foil and were further developed and improved to a economic alternative to current real metal jacketing systems.

### • ALUMINIUM OPTIC

Isolpak ALU combines the technical advantages of plastic and aluminum, but is an inexpensive 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 building projects have different product requirements. TTM completes the system with a white and black version, all project types and colors.



Innovative



Extreme  
UV protection



Outdoor application



Great value for money



Accessories

## Jacketing Isolpak ALU

Perfect appearance coupled with economic benefits

Isolpak ALU differs particularly by its metallic appearance to other PVC sheathings. Especially thanks to the intermediate layer of pure aluminum. A layer of an extremely durable UV-protective film protects the middle layer of aluminum 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 compared to embossed aluminum 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 0.45 mm which then are also a bit stiffer in the construction.

### Isolpak ALU - the complete system

In addition to the rolls to make the straight lines the Isolpak ALU system is completed with a wide range of PVC premolded forms.



**Elbow Isolpak ALU®**  
Segment optic, 3S, W or S closed



**ISOLPAK ALU tape**  
Adhesive tape for outdoor applications [2, 3 and 4 layer]

Protezione  
UV-estrema



Applicazione esterna



Top prezzo/efficienza



Accessorio





## 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.

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 12.5 kg and can be easily carried anywhere and cut at the sight.



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



Extreme UV protection



Outdoor application



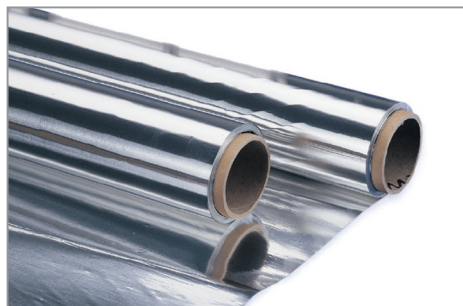
Great value for money



Accessories

Description	Value	Unit	Test method
Standard thicknesses	200, 230, 280, 340, 450	mm	
Tensile impact strength	$> 285$	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 strength	$\geq 400$	kJ/m <sup>2</sup>	ISO 8256
Tensile strength	$> 35$	N/mm <sup>2</sup>	ISO 527
Sd-Value	ca. 1600		
LOI (Limiting Oxygen Index)	35	% O <sub>2</sub>	ASTM D 2863-77

## Various jacketings / insulation facings



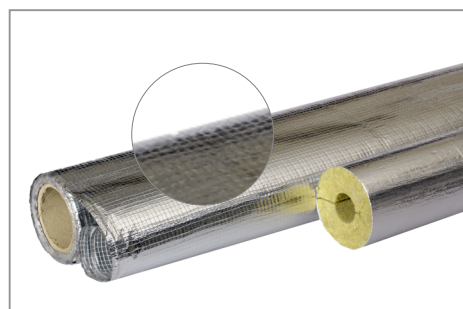
### Pure aluminum foils

This insulation laminate is used as vapour barrier and reflection layer for mineral wool facing in form of slabs, lamella mats, pipe covers etc.  
Norm DIN 1784, EN 485, EN 546, EN 573.

Standard thicknesses .....	0,03 up to 0,30 mm in Lega EN AW - 1050A
Fire class .....	DIN 4102 A1
Sd value .....	> 1500 ( <sup>3</sup> 50 mμ)
Temperature resistance .....	ca. 600 °C
Width .....	500, 1000, 1200 mm
Length.....	25, 50, 100 m

### Alu glass scrim laminate

This insulation laminate is used as vapour barrier and reflection layer for mineral wool facing in form of slabs, lamella mats, pipe covers etc.



Multilayer structure .....	ALU 18 mic, glass scrim 5x5, 22 gsm LDPE
Weight g/m <sup>2</sup> .....	86 g [EN 22 286]
Tensile strength .....	250 N/50mm
Elongation at break .....	4 %
Infrared reflection .....	ca. 85 %
Water vapour permeability .....	< 0,03 g/m <sup>2</sup> x 24h [DIN 53 122]

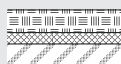


### Aluminum multilayer laminate reinforced with PET, PVC, LDPE

This insulation laminate are used as vapour barrier and reflection layer for mineral wool facing in form of slabs, lamella mats, pipe covers etc

### Standard materials

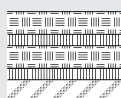
other laminates available on request



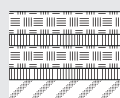
- 16-22 mic aluminum foil
- glass scrim 5x5
- 22 g/m<sup>2</sup> LDPE



- PET / ALU
- glass scrim 5x5
- 22 g/m<sup>2</sup> LDPE



- 16-22 mic PET
- Adhesive
- 12-18 mic aluminum foil
- Adhesive
- 20-80 g/m<sup>2</sup> LDPE o HDPE



- 23 mic PET
- Adhesive
- 7 mic matt aluminum foil
- Adhesive
- 100 mic HDPE

Protezione  
UV-estrema



Protezione normale



Riciclabile



Top prezzo/efficienza



Accessorio



## Coroplast Tape 912

Reinforced aluminium adhesive tape

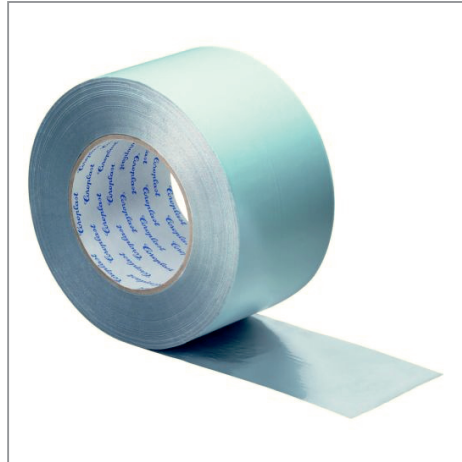


Applications, properties and advantages:

- For sealing intersections on aluminium-laminated insulating mats.
- Visually perfect sealing on lamella mats through dense mesh structure (5x5mm).
- High mechanical stability.
- Strong adhesive suitable for use on construction sites.
- Very strong adhesion and initial tack
- Moisture-proof.
- Extremely good ageing properties
- High shear strength, even in fluctuating temperatures.


## Coroplast AWX Line

All-Wheather-Quality



Applications, properties and advantages:

Coroplast AWX line: Acrylic

- with VDE approval mark, P-BHH-2015-1004, flame-retardant in accordance with DIN 4102, building material class B1 and for 1530 AWX: A2, P-BHH-2010-1002.
- for impermeable sealing of intersections in aluminium-laminated insulating mats.
- resistance up to +130°C and easy to apply as low as -25°C.
- Test certificate of the German BG Verkehr/Schiffssicherheit 118.115. 

Adhesive tapes available with AWX technology:  
910, 930, 944, 942, 912, 1231, 1232, 1410, 1430, 1450

### Technical data

backing material	aluminium foil reinforced with fibreglass scrim (5x5 mm)
covering	siliconized release film
adhesive	synthetic rubber / acrylic 912AWX
tape thickness	0,13 mm ± 0,02
width	50, 75 and 100 mm
length	50, 100 m
tensile strength	> 30 N/cm
elongation at break	10 %
adhesion to steel	6 N/cm
temperature resistance	-40 up to +80° C
water vapour permeability	< 1g/m² x 24 h



Normal protection



Recyclable



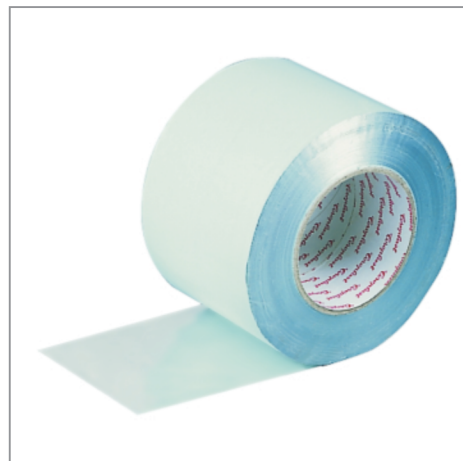
Great value for money



Accessories

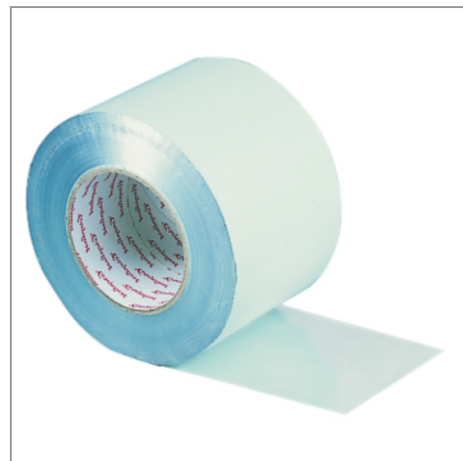
## Coroplast Alu Tape 910 SE

Flame retardant  
pure aluminium tapes



## Coroplast Alu Tape 930 SE

Flame retardant  
pure aluminium tapes




Applications, properties and advantages:

- With approval seal P-BHH-2012-1010, flame retardant in accordance with DIN 4102, building materials class B1.
- For sealing intersections on aluminium-laminated insulating systems.
- Aggressive tack for application on sites.
- Acts as water vapour barrier.
- Insensitive to moisture.
- Easy to apply even at low temperatures.
- High shearing strength even with varying temperatures.
- Very high adhesive force and high initial stickiness.
- 910 Alu SE: The standard quality for insulating work.

### Technical data:

backing material	pure aluminum foil
liner	adhesive-repelling PE film
backing thickness	0,03 mm
tape thickness	0,06 mm
width	50, 75 and 100 mm
length	50 and 100 m
tensile strength	25 N/cm
elongation at break	5 %
adhesion to steel	9 N/cm
temperature resistance	-40 up to +80° C
water vapour perm.	< 1g/m <sup>2</sup> x 24 h

Applications, properties and advantages:

- With approval seal P-BHH-2012-1010, flame retardant in accordance with DIN 4102, building materials class B1.
- For sealing intersections on aluminium-laminated insulating systems.
- Aggressive initial tack for application on critical sites.
- Insensitive to moisture.
- Easy to apply even at low temperatures.
- High shearing strength even with varying temperatures.
- Very high adhesive force
- approval of German See-Berufsgenossenschaft and U.S.Coast Guard 164.1123/EC0736/118.155. 

### Technical data:

backing material	pure aluminum foil
liner	adhesive-repelling PE film
backing thickness	0,025 mm*
tape thickness	0,05 mm
width	50, 75 and 100 mm
length	50 and 100 m
tensile strength	20 N/cm
elongation at break	5 %
adhesion to steel	9 N/cm
temperature resistance	-40 up to +80° C
water vapour perm.	< 1g/m <sup>2</sup> x 24 h

Normal protection



Recyclable



Great value for money



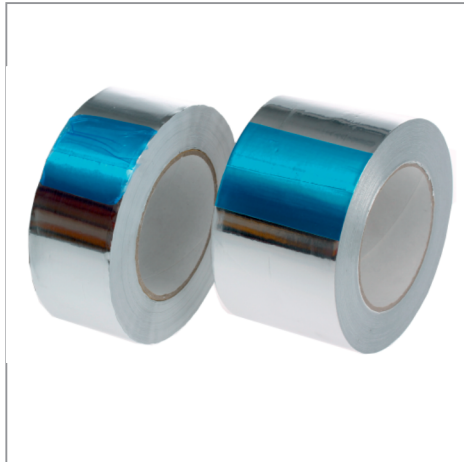
Accessories



\* various other thicknesses available too (Coroplast 942 40my / Coroplast 944 50my)

## TTM Alu Tape AA 330

Aluminium adhesive tape with  
PE-liner



Applications, properties and  
advantages:

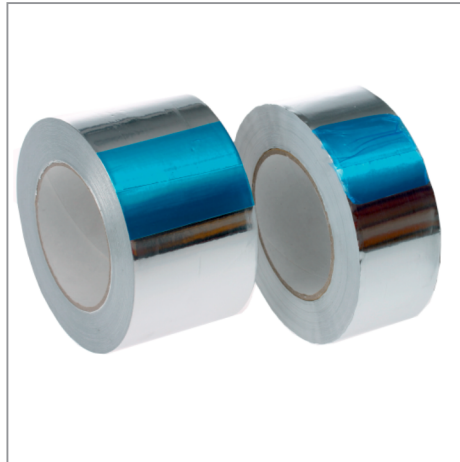
- Soft aluminium foil with cold weather acrylic adhesive and protected by PE-liner
- Ideal for sealing joints and seams against moisture and vapor on foil jacketing insulation. Suitable for many other permanent sealing, holding, splicing or masking applications.
- Aggressive tack for application on sites.
- Excellent peel adhesion.
- Outstanding low temperature and ageing resistance.
- Very high adhesive force and high initial stickiness.

### Technical data:

carrier	aluminum foil, soft
liner	PE film
adhesive	acrylic
thickness	26 $\mu\text{m}$
width	50, 75 and 100 mm
length	50 and 100 m
tensile strength	45 N/25mm
elongation at break	3 %
peel adhesion	15 N/25mm
service temperature	-30 up to +120 °C
applying temperature	-5 up to +40 °C

## TTM Alu Tape AA 342

Aluminium adhesive tape



Applications, properties and  
advantages:

- Flame retardant aluminium tape with extra strong carrier of 40  $\mu\text{m}$
- For sealing intersections on aluminium-laminated insulating systems.
- Aggressive initial tack for application on critical sites.
- Insensitive to moisture.
- Easy to apply even at low temperatures.
- Works as a vapor barrier
- Very high adhesive force

### Technical data:

carrier	aluminum foil, soft
liner	siliconized paper
adhesive	acrylic
carrier thickness	40 $\mu\text{m}$
tape thickness	0,07 mm
width	50, 75 and 100 mm
length	50 and 100 m
tensile strength	22 N/cm
elongation at break	4 %
adhesion to steel	7 N/cm
service temperature	-30 up to +110 °C



Normal protection



Recyclable



Great value for money

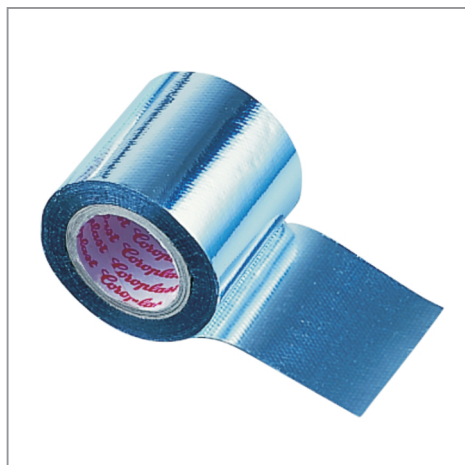


Accessories



## Coroplast 918

Aluminium-vapored polyester adhesive tape



Application, properties and advantages:

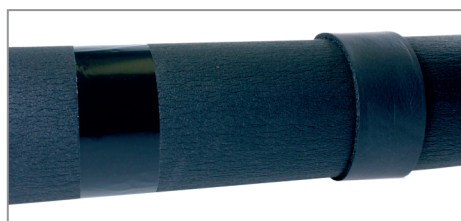
- for sealing intersections on aluminium-laminated insulating systems (when flame resistance in the sense of DIN 4102 building materials class B1 is not required), for the spiral-form fixing of insulating mats and shells in place of binding wire
- as assembly aid, masking tape and sealing tape in the industrial fabrication of furniture and device elements
- applied directly from the roll without interliner, time and cost saving assembly
- simple to handle even with confined application conditions thanks to small core (1")
- very low unwinding force through the adhesive-repelling tape surface.
- self-extinguishing in accordance with VDE 0340

### Technical data:

carrier	aluminium-vapoured thermoplastic polyester (met-PP)
colour	aluminium
tape thickness	0,05 mm
width	50, 75 and 100 mm
length	50 and 100 m
tensile strength	45 N/cm
elongation at break	150 %
adhesion on steel	2,4 N/cm
temperature stability	-40 up to +80 °C
water vapour	
permeability	< 3,0 g/m <sup>2</sup> x 24 h

## Coroplast 933 ALU black

Black aluminium adhesive tape



Application, properties and advantages:

- for sealing intersections on matt black surfaces
- suitable as assembly aid for rubber systems sealings
- strong adhesive suitable for construction on sites
- additional mechanical protection for rubber system sealings
- no painting needed at black sealing intersections
- no visible edge at insulating systems

### Technical data:

carrier	aluminium foil, varnished black
covering	siliconized release paper
adhesive	synthetic rubber
thickness	0,05 mm
standard widths	50, 75 and 100 mm
length	50 m
tensile strength	20 N/cm
elongation at break	5 %
adhesion on steel	8,0 N/cm
temperature stability	-40 up to +80 °C
water vapour	
permeability	< 1 g/m <sup>2</sup> x 24h

Normal protection



Great value for money

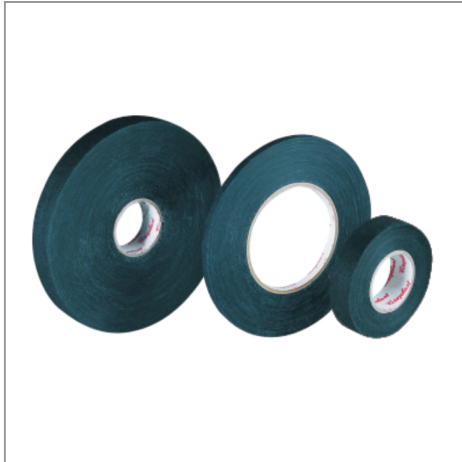


Accessories



## Coroplast 839

Textile polyester adhesive tape for the fabrication of wire harnesses



Application, properties and advantages:

- for bundling and binding of cable harnesses
- excellent resistance to ageing
- good resistance to high and low temperatures
- able to be torn easily by hand
- high adhesive force
- solventfree, PVC compatible
- tight woven structure

### Technical data:

carrier	PET cloth
	Tearable by hand
tape thickness	0,17 mm [±0,02]
colour	black, white other colours available on request
width	9, 19 and 25 mm
length	25 and 50m
tensile strength	60 N/cm
elongation at break	30 %
adhesion to steel	4,8 N/cm
temperature range:	-40 up to +125 ° C
unwind force	2 - 9 N/19 mm [hand] 1 - 8 N/19 mm [machine]

## Coroplast 8200

Plastic-coated textile tape for universal use



Application, properties and advantages:

- textile adhesive tape as insulating tape and for universal use for industry and the trades, for installation and repair work in the laying of cables and for marking purposes
- resistant to a large extent to dilute acids and alkalis
- good adhesion also on rough surfaces
- able to be torn laterally easily by hand
- high adhesive force
- excellent electrical properties

### Technical data:

carrer	PE-coated cloth tape
adhesive	rubber
tape thickness	0,3 mm
width	50, 75 and 100 mm
length	25 e 50 m
colour	silver, black, white
elongation at break	3 %
tensile strength	40 N/cm
temperature stability	-20 up to +80° C
adhesion on steel	5,0 N/cm



Protezione normale



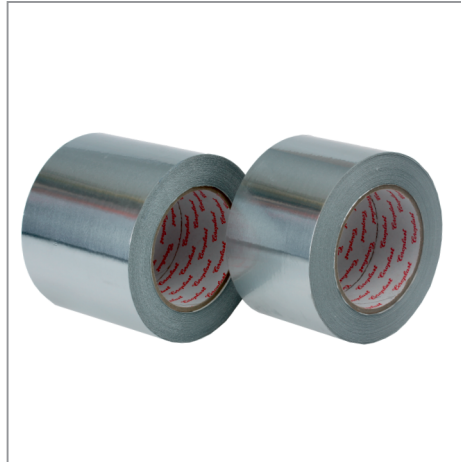
Top prezzo/efficienza



Accessorio

## Isolpak ALU Tape 1232X - 1233X

Aluminum Clad tapes for outdoor application



## Isolpak ALU Tape 1336X White

White aluminum Clad tape for outdoor application



Applications, properties and advantages:

- For sealing of seams and intersections of aluminium laminated insulation systems.
- Tapes coated with acrylic adhesive, which sticks extremely good on aluminium-laminate systems i.e. Isolpak ALU, Clad
- Barrier against water and water vapour.
- Insensitive to moisture.
- Resistant to outdoor weathering
- Very good ageing properties.
- Easy to apply even at low temperatures, superior cold weather adhesion.
- Aggressive tack for application on sites.
- Excellent high and low temperature performance.
- Solvent free.
- Available up to 1.000 mm widths e.g. large-area lamination of mineral wool, fibreglass facings or industrial foam products.

Applications, properties and advantages:

- For sealing of seams and intersections of aluminium laminated insulation systems.
- Tapes coated with acrylic adhesive, which sticks extremely good on aluminium-laminate systems.
- Barrier against water and water vapour.
- Insensitive to moisture.
- Resistant to outdoor weathering
- For Clad WT and Isolpak WHITE systems
- Easy to apply even at low temperatures, superior cold weather adhesion.
- Aggressive tack for application on sites.
- Excellent high and low temperature performance.
- Solvent free.
- Available up to 1.000 mm widths e.g. large-area lamination of mineral wool, fibreglass facings or industrial foam products.

Innovative



Extreme UV protection



Outdoor application



Accessories



### Technical data

backing material 1232 X	Special multilayer film w. 4 layer [UV / ALU / PVC / ALU]	
backing material 1233 X	Special multilayer film with 2 layer [UV/ALU]	
tape thickness	0,12 mm [1232 X] 0,08 mm [1233X]	
adhesive	UV acrylic	
width	19, 25, 30 and 50mm	
length	25 and 50 m	
tensile strength	65 N/cm [1232 X] 40 N/cm [1233X]	
elongation at break	50 % [1232X] 45 % [1233X]	
adhesion to steel	12 N/cm [1232 X] 8 N/cm [1233X]	
temperature resistance	-40 up to +120° C	

### Technical data

backing material 1336 X	Special multilayer film with 2 layer [UV/ALU]	
tape thickness	0,08 mm	
adhesive	UV acrylic	
width	19, 25, 30 and 50mm	
length	25 and 50 m	
tensile strength	120 N/cm	
elongation at break	45 %	
adhesion to steel	8,5 N/cm	
temperature resistance	-40 up to +120° C	

## ISOLPAK 1336X UV Black

Black aluminum Clad tape for out-door application



Applications, properties and advantages:

- For sealing of seams and intersections of aluminium laminated insulation systems.
- Tapes coated with acrylic adhesive, which sticks extremely good on aluminium-laminate systems.
- Barrier against water and water vapour.
- Insensitive to moisture.
- Resistant to outdoor weathering
- For Clad B and Isolpak BLACK systems
- Easy to apply even at low temperatures, superior cold weather adhesion.
- Aggressive tack for application on sites.
- Excellent high and low temperature performance.
- Solvent free.
- Available up to 1,000 mm widths e.g. large-area lamination of mineral wool, fibreglass facings or industrial foam products.

### Technical data

backing material	Special BLACK UV-protection film
tape thickness	0,08 mm
adhesive	UV acrylic
width	19, 25, 30 and 50mm
length	25 and 50 m
tensile strength	120 N/cm
elongation at break	45 %
adhesion to steel	8,5 N/cm
temperature resistance	-40 up to +120° C

## TTM Tape Alu-Butyl

Alu/Butyl adhesive tapes with grey and black butyl



Applications, properties and advantages:

- repair of gutters and roof surfaces, safe pipe joints, sealed underground, the vapor barrier in conjunction with the construction of piping insulation, waterproof seal edge of the groove in the insulation with sheet metal shells
- secure closure against moisture infiltration
- excellent vapor barrier
- excellent resistance against aging
- good handling and adhesivity even under the most difficult situations
- the aluminum multilayer film is resistant to abrasion
- available with black or grey butyl
- different backing materials available like aluminum, black or white UV-protection film

### Technical data

backing material	PETP/alu multilayer
adhesive	butyl (grey o black)
tape thickness	0,62 mm
standard width	50, 75 and 100 mm
length	10 and 15 m
color	silver, white, black
elongation at break	3 %
tensile strength	40 N/cm
temperature resistance	-30 up to + 80° C
adhesion to steel	5,0 N/cm



Innovative



Extreme  
UV protection



Outdoor application



Accessories

## Elastomeric rubber foam tape for thermal and acoustical insulation

It is an elastomer foam tape, self adhesive, used for the insulation of hot and cold water pipes and / or as a gasket. It's made of a synthetic rubber material of closed cell foam in black color. With a protection film and glass scrim for more stability. Alternatively, also with polyethylene (PE) foam mesh available.



Flexible self adhesive tapes  
PE grey, white or black

### Technical data

Description	Elastomeric foam tape
Base	Elastomeric foam CI1 [K-Flex, Armacell or Mobius foam]
$\mu$ value	>5000 DIN 52615
Thermal conductivity [l]	at 0°C=0,036 W/(m.k.)DIN 52613
Fire class	CI1 - M1
Elastomeric foam	FEF (flexible elastomeric foam)
Acoustical insulation value	>28 dB DIN 52218
Temperature resistance	-25°C - +122°C
Resistance against fungus	excellent
Odor	neutral

### Tape dimensions

Thickness	width	length
3 mm	50 mm	10 m
3 mm	50 mm	15 m

all tapes are single wrapped and packed into cartons

### Technical data of the adhesive

Adhesive	synthetic rubber
Peel [20', glass]	> 25 N/inch
Peel [24 hour, glass]	> 25 N/inch
Tack	> 32 N/inch
Shear	50°C: > 24 h

Great value for money

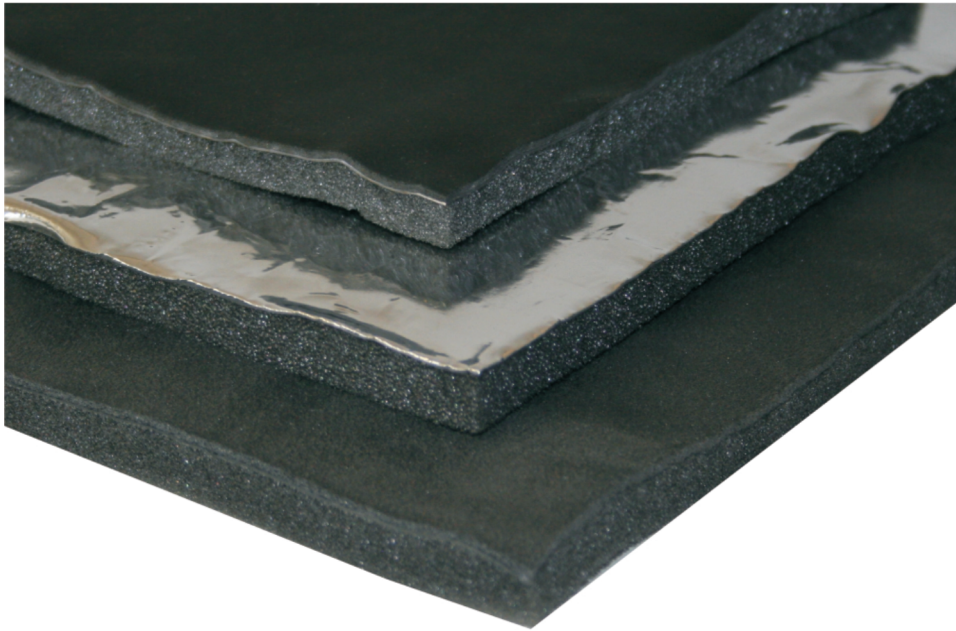


Accessories



## Aplomb

Aplomb is a acustical sound absorption panelling compound of a crosslinked expanded polyethylene and a polyurethane foam with a middle layer of a 0,35 mm thick lead foil specific for the insulation of water pipe systems.

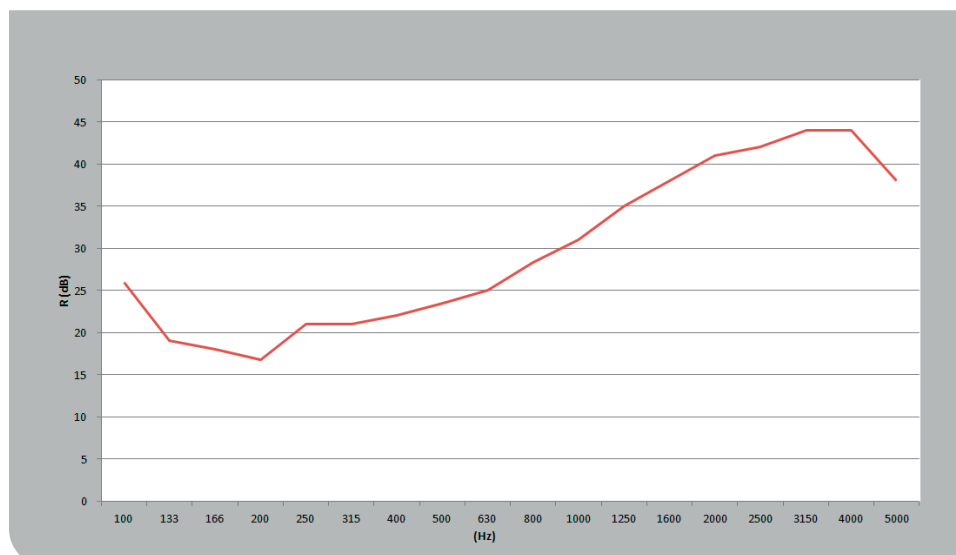


Applications, properties and advantages:

- urban sewage and rainwater
- industrial piping
- civil and industrial machinery
- ducts

### Technical data:

construction	product construction of 3 layers A) polyethylene x-linked foam of 3mm B) lead film with 0,35m thickness C) polyurethane 10 or 20mm
sound absorption	RW=29,0
length	2 m
width	1000 mm
fire resistance	
class	ITA Classe 2 (self extinguishing)



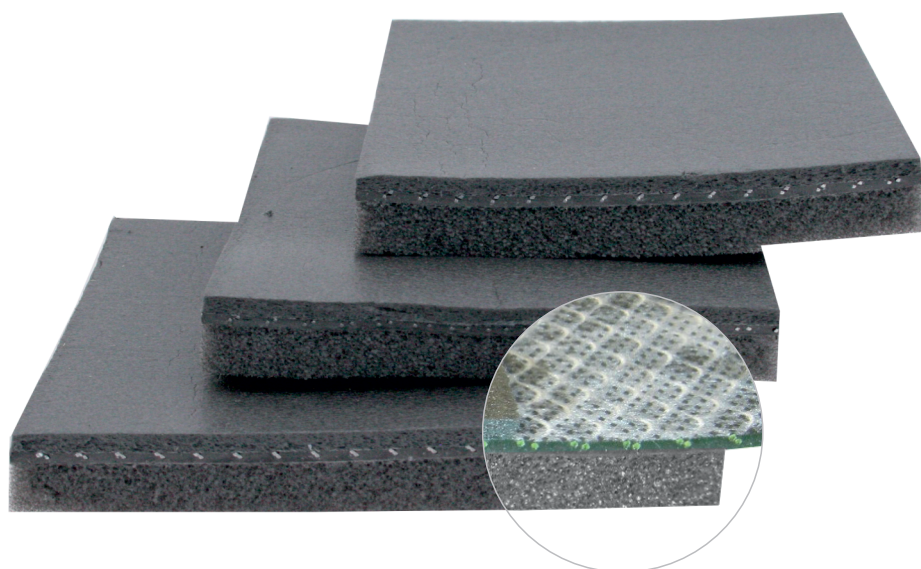
Great value for money



Accessories

## Aplomb XP

Aplomb XP is multilayer, composed of a layer of polyurethane (open cells) with a density of 35 kg / m<sup>2</sup> and a layer of crosslinked polyethylene (physically completely closed cells) with an interposed sheet of high density rubber with a metal net. With a memory effect. Resistant to temperatures from -50 ° C to +80 ° C.



Three-layer product composed of:

1st layer: 3 mm Polyethylene [physical X-link]  
2nd layer: high density rubber 2mm + net  
3rd layer: 10mm polyurethane

### Standard dimensions

width: 1000 mm  
length: 2000 or 3000 mm  
thicknesses: 13-23 mm ecc.  
Other dimensions upon request  
Tolerances: DIN 7715 Part 2.

### FIRE RESISTANCE

ITA Classe 2 Norm  
UI94 - HF1. Norma DIN 75200 MVSS 302.

Normal protection



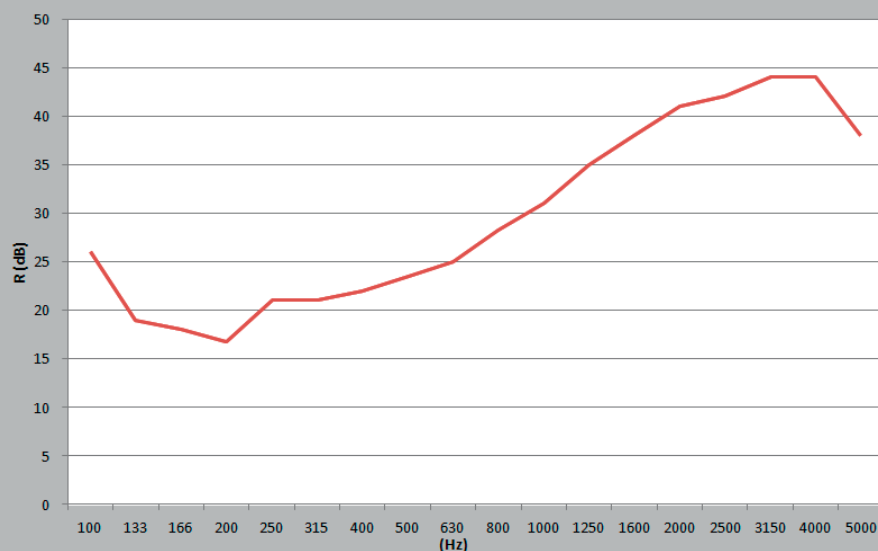
Recyclable



Great value for money

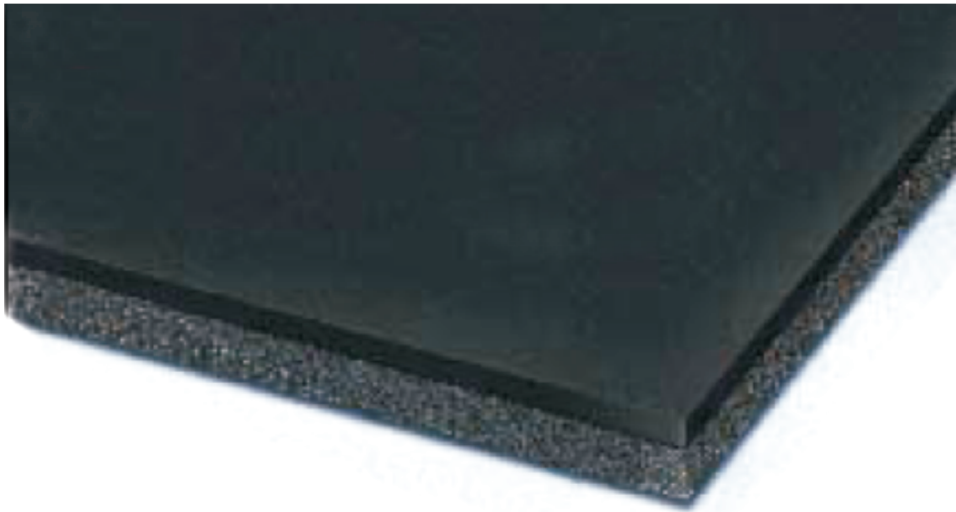


Accessories



## S|Fonik

The S|Fonik product uses high density elastomeric foam material of up to 1300 - 1400 Kg/m<sup>3</sup> realised with excellent visco-elastic properties and with polymer partially crosslinked and antifire retardant ingredients.

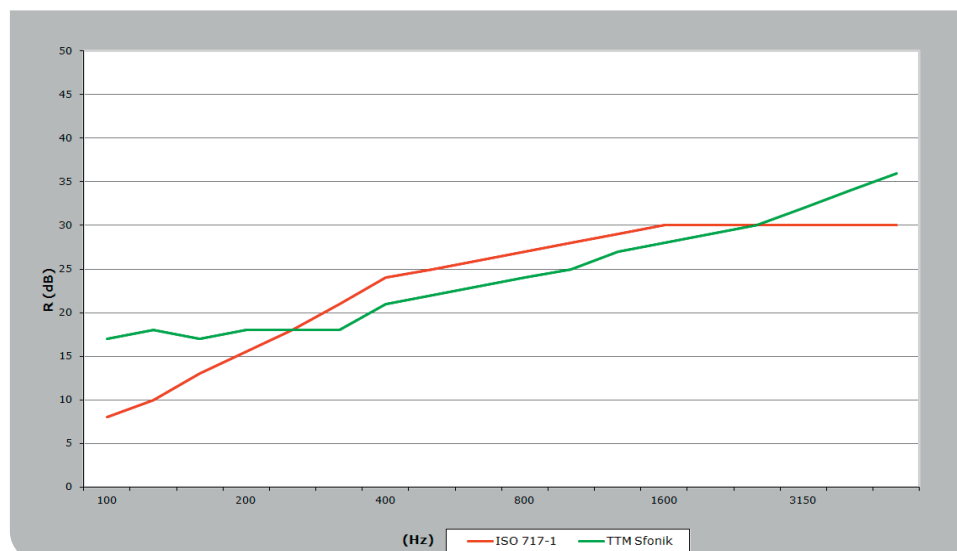


### Application, properties and advantages:

- product harmless and safe regarding health issues compared to products containing lead
- Fire retardant class 1 (ITA)
- Price range very competitive and also stable compared to international price fluctuation of lead
- Performances comparable to products containing lead

#### Technical data

length	1000 mm
width	1200 mm
thickness	13 mm
specific weight:	1.300 – 1.400 Kg/m <sup>3</sup>
ecological info:	CFC and HCFC free
sound absorption	RW 26 dB
	UNI EN ISO 140-3 /
	UNI EN ISO 717-1
FIRE CLASS	
	CL. 1 (IT) - BS 476 Pt. 6 1989 Cl. 0 (UK) - Brandkennziffer 5,3 (CH)



Normal protection



Recyclable



Great value for money



Accessories

## Hangers / Pins

non-adhesive - selfadhesive - welding pins



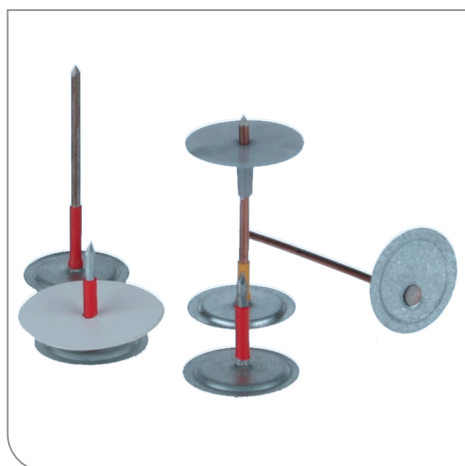
TTM self-adhesive pins enable a quick and uncomplicated fixing of insulation on smooth and clean surfaces. The high grade adhesive on the base, ensures that these pins provide a secure fixing for the insulation. Including safety discs ø 32 mm

<b>Design</b>	mounting bracket with self-adhesive material, backing plate and washer
<b>Material backing</b>	galvanized steel / stainless steel
<b>Material nail</b>	approx. ø 2.7 mm steel stainless steel, aluminum 19-140 mm
<b>Dimension</b>	50mm x 50mm
<b>Washer diam.</b>	ø 32 mm / 38 mm
<b>Material washer</b>	steel / stainless steel

Perforated pins from TTM allow quick and easy installation of insulating materials on smooth, rough and irregular surfaces (eg concrete, masonry, metals). For mounting you can use either of the special glue, which screws or rivets. (Included washers ø 32 mm)



<b>Design</b>	mounting bracket with non-adhesive material and perforated backing plate and washer
<b>Material backing</b>	galvanized steel / stainless steel
<b>Material nail</b>	approx. ø 2.7 mm steel stainless steel, aluminum 19-140 mm
<b>Dimension</b>	50mm x 50mm
<b>Washer diam.</b>	ø 32 mm / 38 mm
<b>Material washer</b>	steel / stainless steel



The welding of the pawl with washer allows the fixing of the insulating material in a single operation. The nail coated with a plastic film allows easy attachment of the insulation material coated with aluminum or metal mesh.

<b>Design</b>	welding nails with mounting plate
<b>Material backing</b>	galvanized steel / stainless steel
<b>Length</b>	approx. ø 2.7 mm steel stainless steel, aluminum 15 - 150 mm
<b>Diameter plate</b>	ø 30 mm
<b>Insulator</b>	plastic

Recyclable



Great value for money



Accessories



## Isolpak ALU BUTYL tape UV

Aluminum Clad butyl tapes for out-door application



## Isolpak ALU White BUTYL tape UV

White aluminum Clad butyl tape for outdoor application



Applications, properties and advantages:

- For sealing of seams and intersections of aluminium laminated insulation systems.
- Tapes coated with acrylic adhesive, which sticks extremely good on aluminium-laminate systems i.e. Isolpak ALU, Clad
- Barrier against water and water vapour.
- Insensitive to moisture.
- Resistant to outdoor weathering
- Very good ageing properties.
- Easy to apply even at low temperatures, superior cold weather adhesion.
- Aggressive tack for application on sites.
- Excellent high and low temperature performance.
- Solvent free.
- Available up to 1.000 mm widths e.g. large-area lamination of mineral wool, fibreglass facings or industrial foam products.

### Technical data

backing material	Special multilayer film w. 2 layer [UV protection film / <b>ALU</b> ]
adhesive	synthetic rubber compound
tape thickness	0,65 mm
adhesive color	black, upon request grey
width	50mm
length	25m
tensile strength	25 N/cm
elongation at break	30 %
adhesion to steel	5 N/cm
temperature resistance	-30 up to + 80° C

Applications, properties and advantages:

- For sealing of seams and intersections of aluminium laminated insulation systems.
- Tapes coated with acrylic adhesive, which sticks extremely good on aluminium-laminate systems.
- Barrier against water and water vapour.
- Insensitive to moisture.
- Resistant to outdoor weathering
- For **Clad WT and Isolpak WHITE** systems
- Easy to apply even at low temperatures, superior cold weather adhesion.
- Aggressive tack for application on sites.
- Excellent high and low temperature performance.
- Solvent free.
- Available up to 1.000 mm widths e.g. large-area lamination of mineral wool, fibreglass facings or industrial foam products.

### Technical data

backing material	Special multilayer film w. 2 layer [UV <b>WHITE</b> protection film / <b>ALU</b> ]
adhesive	synthetic rubber compound
tape thickness	0,66 mm
adhesive color	black, upon request grey
width	50mm
length	25m
tensile strength	25 N/cm
elongation at break	30 %
adhesion to steel	5 N/cm
temperature resistance	-30 up to + 80° C



Normal protection

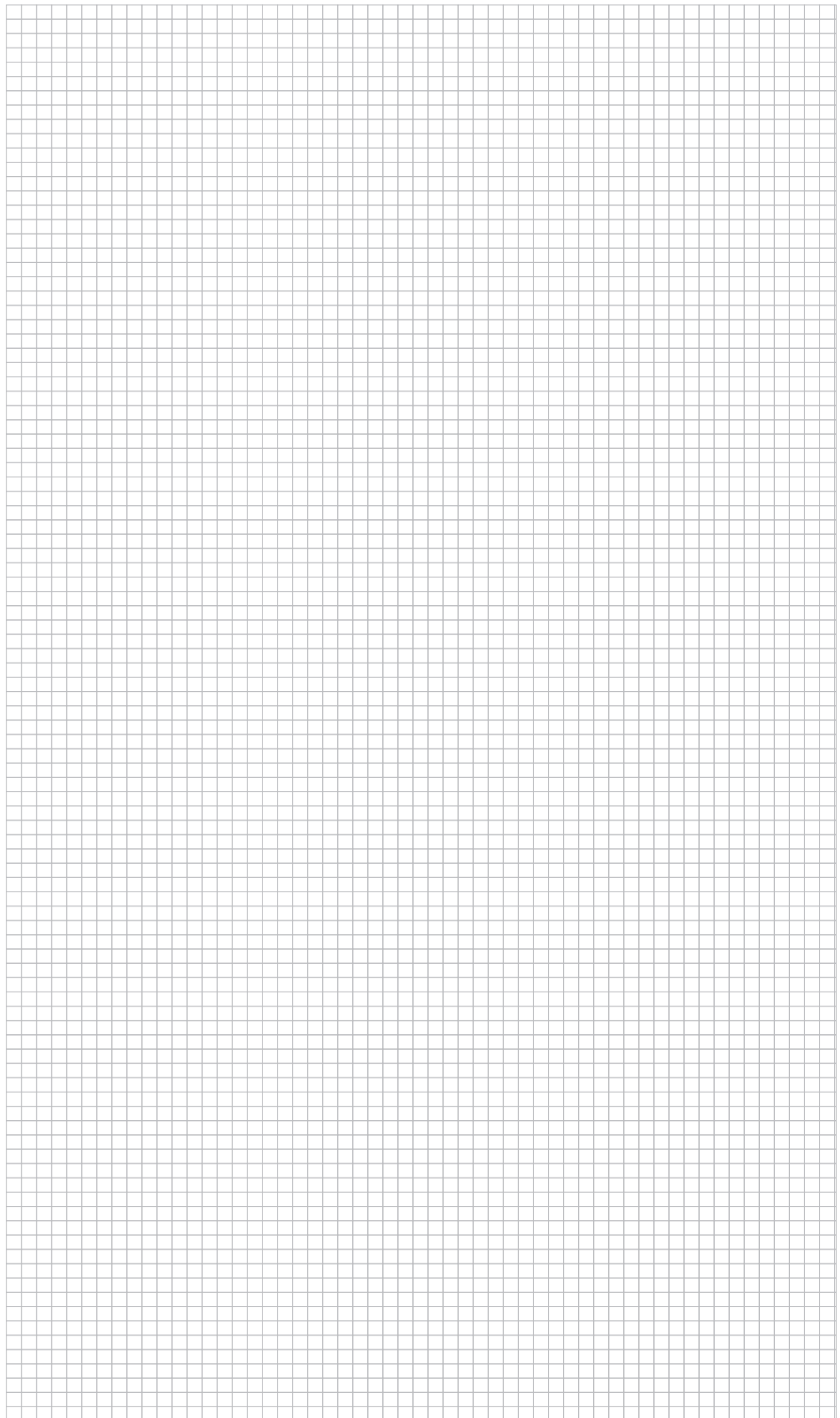


Great value for money



Accessories









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