

# WrapTec®

**Self-welding.  
Watertight.  
Weatherproof.**

## UNIVERSAL CLADDING AND JACKETING SOLUTION FOR INSULATED HVAC DUCTS AND PIPES

WrapTec is a watertight material for sealings in the area of technical insulation. The unique selfwelding characteristic and the elasticity allow fast and easy installations at any construction site. The high performance material provides extreme UV stability and weather resistance in all environments. Due to its absolute water and humidity tight sealing it prevents corrosion under insulation (CUI) at the duct pipe.

TECHNICAL SPECIFICATIONS	
Material	High performance polymer (Polyisobutylene)
Application	Cladding / jacketing / sealing of HVAC ducts, pipes and technical insulations
Widths	70 mm, 140 mm, 280 mm, 560 mm
Length	10 m per roll
Colours	Anthracite, light-grey
Application temperature	+5 °C up to +40 °C
Heat resistance	-40 °C up to +100 °C
Fire class	E (B2) (DIN EN ISO 11925-2 / DIN EN ISO 13501-1/ DIN 4102)
Connections	By self-welding
Weight	Ca. 1.85 kg/m <sup>2</sup> 1.31 kg (per 70 mm roll) 2.63 kg (per 140 mm roll) 5.25 kg (per 280 mm roll) 10.50 kg (per 560 mm roll)
Thickness	Ca. 1.05mm
Stability (UV)	DIN 16726 (DIN EN ISO 20811)
Water column	> 7.5 m (DIN EN ISO 20811)
Vapour permeability	s <sub>d</sub> > 400 m; > 400,000 (DIN EN ISO 1931)
Storage	Dry up to +40°C

### APPLICATION

WrapTec can be used on the following materials:

- Mineral / glass / rock wool
- Polyisocyanate (PIR)
- Polyurethane (PUR)

The materials above are to be used in aluminium-laminated versions.

WrapTec can also be used as corrosion protection without insulation.

WrapTec can not be used in combination with the following materials:

- Rubber insulation
- Polyethylene (PE)
- Underground installation in accordance with the requirements of DIN EN 489



### BMI Group

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[www.wraptec.net](http://www.wraptec.net)

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## **BENEFITS**

- saves up to 50 % valuable labour costs compared to other installation coverings
- is easy and safe to install (requires no tools apart from scissors)
- offers various opportunities for usage due to environmental friendly recipe
- is extreme UV- and weather resistant
- protects the duct work from corrosion under insulation (CUI)
- saves storage costs and simplifies transport to and at the construction site

When laying the WrapTec pieces, an overlap of only 20 mm is sufficient to watertight the insulated pipes. In case of pressurised water the T-Joints ( 3-fold overlap) must be additionally sealed with M-Glue. WrapTec can be stretched by 50 % in all directions to ensure a proper and aesthetic installation. Therefore clean and visually appealing installations are easy to realize.

## **INFORMATION**

Please note the chemical compatibility of WrapTec (see table).

All test certificates and confirmations at a glance:

- 10 years product guarantee
- BBA Agreement Certificate
- ASTM E 84 Surface Burning Characteristics of WrapTec
- Classification report of the burning behaviour according to DIN EN 13501-1
- Manufacturer`s declaration on chemical compatibility
- Manufacturer`s declaration to the absence of silicone and halogen
- Information on REACH
- Test report on microbial metabolic potential of WrapTec in light grey



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