Technical Information
Wintape Flex

Product description:
Wintape Flex is a ductile cold shrink tape made of cold self-adhesive butyl rubber, coated with a highly tear proof, aluminium colored polyethylene film, expandable up to 400 %.

Application areas:
Sealing and insulation of pipes in building construction, industry, air-conditioning technology and more.
Exclude the possibility of standing water on the sealing tape when waterproofing.
Cold shrink tape is meant for indoors; we recommend our aluminium or lead butyl tapes for outdoors.

Method of use:
The underground must be stable, clean, dry and dust, grease and oil-free. Pre-coat brittle, porous and absorbent undergrounds with a suited Primer. Check the underground for compatibility beforehand.
Before application check, whether the butyl rubber adhesive is compatible with the underground regarding adhesive strength and chemical compatibility.
The adhesive tape is applied spirally and overlapping, e.g. onto pipes.
For this purpose remove the backing from the adhesive, attach the tape to the pipe and then wind around the pipe under tension in such a way that no bubbles develop between the butyl rubber adhesive and the underground. Then press the tape firmly onto the underground and smooth.
Butyl rubber adhesives are long-term ductile and non-flexible. They are not suitable for permanent mechanical loads and under no circumstances can replace mechanical mounting or the use of a mounting adhesive. The mechanical load capacity of butyl rubber adhesives decreases with rising temperature. Adhesive tapes with butyl rubber adhesive are not solvent resistant.

Storage:
12 months after date of manufacture in the closed original container at max. 85 °F (30 °C), protected against moisture. The storage location must be correctly ventilated. The backing paper is inclined to stick to the butyl adhesive, if the storage temperature exceeds 85 °F (30 °C).

Safety:
Keep away from children. In case of doubt, consult the safety data sheet.

Table 1. Physical Properties of Wintape Flex

Property	Value	Test Method
Strength	approx. 25 mils (0.6 mm)	
Width	3/8 in. to 40 in. (10 mm to 1000 mm)	
Color	grey	
Breaking elongation of the polyethylene backing film	≥ 400 %	SL NF T 54-102
Temperature stability	– 20 °F to 175 °F (– 30 °C° to + 80 °C)	
Working temperature	40 °F to 95 °F (+5 °C to + 35 °C)	
Adhesive force on steel at 90° detachment	approx. 23 N / in. (9 N / cm)	MEL 052 (23 °C)
Adhesive force on concrete at 90° detachment	approx. 23 N / in. (9 N / cm)	MEL 052 (23 °C)
Water vapour permeability	approx. 0.24 grains / hr·ft² (0.17 grams / hr·m²)	NF T 30 018
Butyl adhesive stability under load at + 5 °C	≤ 1/8 in. (3 mm)	ISO 7390
Butyl adhesive stability under load at 70 °C	≤ 1/8 in. (3 mm)	ISO 7390

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