

SPECIFICATION CLAUSES I

Technical preliminary remarks on the cladding of pre-insulated pipes with WrapTec.

Protection of the pre-insulated pipes of Domestic Services/ heating and process engineering installations for energy saving.

WrapTec is to be used as a UV- and weather-resistant, self-sealing covering material.

This specification is based on the following standards:

- DIN EN ISO 13501-1 (Fire behavior of building materials)

Pre-insulated pipes are to be covered with WrapTec (PIB film, material thickness ≥ 1 mm, self-sealing) UV-resistant and waterproof coating in accordance with the manufacturer's installation instructions.

Color:	anthracite / grey
Material:	rolls at 10m
Width:	70mm, 140mm, 280mm, 560mm
Weight	ca. 1.85 Kg / m ²
Brand:	WRAPTEC
Water vapor permeability:	DIN EN ISO1931: $\mu > 400,000$
Water column	DIN EN ISO 20811 > 7,5m
Building material class:	Euroclass E DIN EN ISO 13501-1 (B2 DIN ISO 4102)
Working temperature:	+ 5°C to + 40°C
Temperature resistance	-40°C to + 100°C

Installation

The Pipework/Ductwork insulation has to be covered with WrapTec over it's entire surface and has to be laid with a minimum of 20mm overlapping. All overlaps of the individual WrapTec sheets are to be undertaken utilising the self-welding properties of the material without the use of additional adhesives in order to prevent moisture from entering and thus ensuring the permanent weather proofing performance of the insulation covering.

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All insulated pipes, including Bends and tees and other connections, must be made permanently waterproof. All connections and components protruding from the cladding must be sealed with the WrapTec System M-Glue Adhesive to ensure a permanent, watertight sealing of the system.

Further information in accordance with the WrapTec Installation Guidelines shall be taken into account.

Of particular note:

Please also ensure that all horizontal surfaces incorporate a minimum 3 Degree slope to allow water run-off