

# Building textiles

- Innovative adhesives for laminating and coating technical textiles in the building industry
- Bondlines that are open to vapour diffusions
- Adhesives with long-term durability



**Jowat-Hightherm<sup>®</sup> 230.45**

**Jowatherm<sup>®</sup> 245.00**

**Jowatherm-Reaktant<sup>®</sup> 612.40**

**Jowatherm-Reaktant<sup>®</sup> 638.20**

**Jowacoll<sup>®</sup> 761.10**

# Jowat adhesives for technical textiles in the building industry



Wherever adhesives are used in the manufacture of technical textiles, Jowat is the right partner. We supply a comprehensive range of innovative products to our customers, meeting the respective demands which the technical textiles have to comply with in the building industry. For lamination and coating, several thermoplastic and reactive hot melt and water-based dispersion adhesives are used successfully.

One major area of application where adhesives are used in the building sector is the manufacture of roofing liners. These technical textiles are mostly composed of a laminated multi-layer mix of diverse materials. Depending on the installation environment in the roof, a structure promoting superior vapour permeability or a vapour barrier may be chosen. The bonded compound has to withstand mechanical stress, must be for instance resistant against perforation due to walking, and ensure high durability when exposed to UV light. In practice, the most suitable adhesives have proven to be the polyolefin-based (PO) adhesives for lamination of polypropylene (PP) foils and fleeces.

Polyurethane (PUR) hot melt adhesives are the products of choice for superior compound strength and excellent resistance to mechanical stress. Depending on the softening range of the substrates, the considerably reduced processing temperature of the PUR hot melt adhesive can provide considerable benefits.

For bonded composites of fleece with a more open textile structure, like protective films for painting operations, pressure-sensitive hot melts are well established. These are above all characterised by their excellent adhesion properties, since substrates that do not adhere well, e. g. Polyethylene (PE) foils, are often used in this area.

Construction measures in road and dike building are often undertaken with fleece that has a reinforcement backing of netting. High stress is absorbed by a stable plastic netting, the spacing between the layers is assured by the fleece. The manufacturing process often requires the use of dispersion adhesives to assemble these layers. A high solid content guarantees short evaporation times and high initial strength.

## Jowat-Hightherm® 230.45

Standard adhesive for lamination of roofing liners. Water- and windproof joining of different non-wovens and membranes possible. An interrupted adhesive coating ensures permeability of the bond. The adhesive is UV-stabilised and formulated with a UV marker.

Polymer basis	PO
Viscosity at 190 °C	approx. 10,000 mPas
Processing temperature	180 - 200 °C
Softening point (ring and ball)	approx. 150 °C

## Jowatherm® 245.00

Pressure-sensitive hot melt adhesive for laminating fleece with diverse foil materials, High surface tack.

Polymer basis	thermoplastic rubber
Viscosity at 180 °C	approx. 12,000 mPas
Processing temperature	170 - 190 °C
Softening range (Kofler bench)	approx. 115 °C

## Jowatherm-Reaktant® 612.40

Reactive PUR hot melt adhesive for the manufacture of roof ridge insulation. High surface tack

Polymer basis	Polyurethane
Viscosity at 130 °C	approx. 7,000 mPas
Processing temperature	110 - 130 °C

## Jowatherm-Reaktant® 638.20

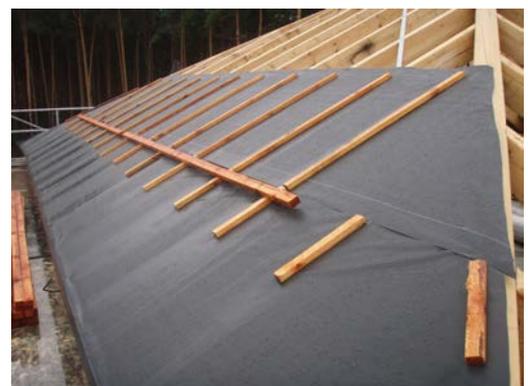
Reactive PUR-hot melt adhesive with very low processing temperature for thin thermoplastic foils. Good adhesion to different non-wovens and membranes.

Polymer basis	Polyurethane
Viscosity at 100 °C	approx. 4,500 mPas
Processing temperature	90 - 110 °C

## Jowacoll® 761.10

Pressure-sensitive dispersion for difficult to adhere to foils and textiles. High surface tack, resistant to UV and ageing. Very high cohesion.

Polymer basis	Copolymer
Viscosity	approx. 12,000 mPas
Solid content	approx. 65 %
pH-value	approx. 4.5



**Jowat | Ihr Partner in Sachen Kleben**  
**Jowat | Your Partner in bonding**



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**Jowat – Kleben erster Klasse**  
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