



# Jowapur® 158.97



**Powerful PU dispersion for the 3D lamination  
of automotive interiors**

**Real leather, textile foam and nonwoven  
composites, thermoplastic foils**

**High initial strength, also in edgefolding**

**Low VOC and fogging values**





# PU Dispersion for the 3D Lamination of Automotive Interiors

**Jowapur® 158.97** is a PU dispersion used in combination with the crosslinking agent **Jowat® 197.65** for laminating real leather as well as thermoplastic foils. The thermal reactivation by heat facilitates a convenient pre-positioning by hand of the laminating material, which is particularly favourable in real leather lamination. In addition, the sewn leather can be detached and bonded again if it needs to be repositioned.

The materials are joined in a vacuum deepdrawing or stamp pressing process to manufacture e.g. dashboards, door and column panelling or headlining.

Another benefit is the fast crosslinking of **Jowapur® 158.97 + Jowat® 197.65**. It facilitates the down-line processing of the laminated parts without long waiting times and an efficient production process.

## Materials used

- ✓ **Lamination materials:**
  - TPO foil and PVC foam foils
  - Textile foam and nonwoven composites
  - Real leather
- ✓ **Carrier:**
  - ABS & polycarbonate ABS
  - PP & natural fibre PP (NFPP)
  - Different fibre composites (e.g. GMPU) and other plastics

## Benefits

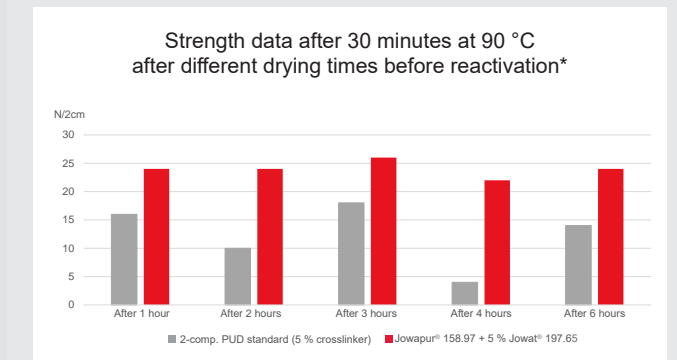
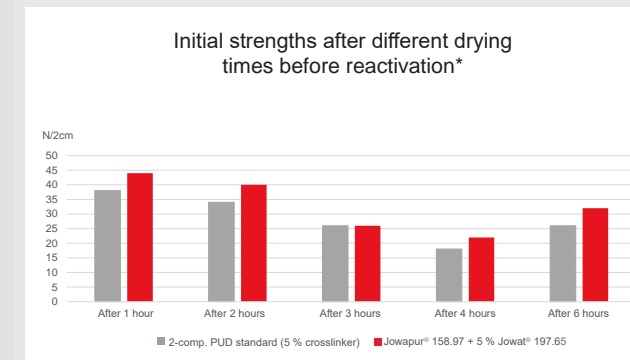
- ✓ Allows repositioning
- ✓ High initial strength, also in edgelifolding
- ✓ No cooling inside the tool necessary
- ✓ Low VOC and fogging values

## Jowapur® 158.97 + Jowat® 197.65

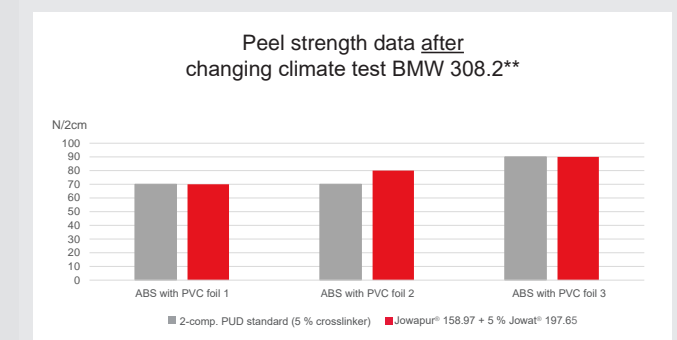
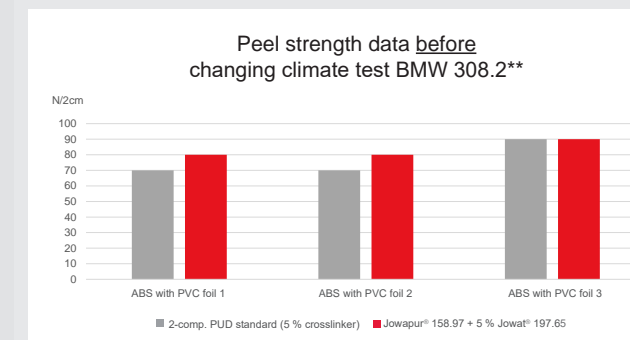
For laminating decorative thermoplastic foils or textile foam and nonwoven composites as well as real leather lamination.

Base polymer		PU
Reactivation temperature	[°C]	≥ 60
Density, at 20 °C	[g/cm <sup>3</sup> ]	~ 1.06
Solids content, 1 h at 125 °C	[%]	~ 46
Pot life, at 20 °C with 5 % Jowat® 197.65	[h]	~ 4 – 8
Viscosity, at 25 °C	[mPas]	~ 305

## Jowapur® 158.97 in comparison



\* The results are based on a series of tests under laboratory conditions. Testing was carried out with a 120 µm film applied onto ABS. The final strengths were determined after a crosslinking time of 7 days and then subject to the heat resistance test mentioned above.



\*\* The results are based on a series of tests under laboratory conditions. The application amount was 50 - 60 g/m<sup>2</sup> dry (by spraying). Testing was carried out with ABS substrates and three different PVC foils (containing different plasticisers). The exact test cycles of the changing climate test BMW 308.2 are available upon request.

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