Application Areas:

Reactive PUR hot melt adhesive formulated in accordance with RAL-GZ 716 for exterior profile wrapping of PVC window frames, aluminum extrusions, and composite building profiles with exterior foils (Renolit, Continental, Cova etc.).

Prevents foil delamination or blistering under severe weather extremes, freeze-thaw cycles (-40 °C), and intense UV radiation. Not intended for straight edgebanding.

Characteristics & Directions for Use:

Delivers high initial green strength and rapid cohesion to overcome profile contour return tensions instantly on complex geometries.

Applies evenly via slot die nozzle. Exceptional resistance to atmospheric humidity, driving rain, and substrate thermal expansion.

Processing Parameters:

Process Parameter	Specification / Condition
Recommended Operating Temperature	125 – 145 °C
Viscosity (Brookfield @ 130°C)	35,000 ± 6,000 mPa·s (Spindle 29 / 20 rpm)
Recommended Feed Speed	15 – 45 m/min (Profile wrapping lines)
Quantity Applied	50 – 80 g/m² (Via slot nozzle)
Open Time Window	approx. 12 – 18 seconds
Standard Compliance	RAL-GZ 716 / Weather & UV Performance

Technical Data:

Technical Parameter	Specification Value
Chemical Base	Moisture-Curing Reactive Polyurethane (PUR)
Density (@ 20°C)	approx. 1.17 ± 0.03 g/cm³
Softening Range / MFT	> 150 °C After Full Cure
Solids Content	100 % (Solvent-free reactive solid)
Appearance & Color	Light Beige / Translucent Solid Block
Climatic Service Temperature	-40 °C to +120 °C continuous service

Performance Ratings:

Exterior UV & Weather Resistance		**100 / 100**
Profile Contour Tension Holding		**98 / 100**
Slot Die Application Precision		**97 / 100**
Moisture Crosslinking Kinetics		**94 / 100**
RAL Standard Compliance		**99 / 100**

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Cleaning:

Flush system with Mayer PUR Flushing Wax (MT-CL 700).

Storage & Shelf Life:

Store in moisture-proof packaging at 15 – 25 °C. Shelf life is 12 months.

Packaging:

2 kg Aluminum Cartridges / 20 kg Pails / 200 kg Drums.

Important Remarks & Legal Notice:

Ensure primer application on PVC/Alu substrates.

Protect strictly from moisture.

Mayer Adhesive Engineering & Quality Standards:

ISO 9001:2015 certified QA.

RAL-GZ 716 exterior window profile test compliance.

High-durability PUR formulation.

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