Product Description & RAL-GZ 716 Approval:

Mayer WrapPrimer MT-PRIME 900 UV is a High-performance modified polyurethane wash primer and adhesion promoter formulated in full accordance with RAL-GZ 716 approval standards and containing an integrated UV fluorescent tracer. Specifically designed for pre-treating thermoplastic substrates (such as PVC window, door, and technical profiles) prior to wrapping with exterior decorative foils using reactive PUR hotmelt adhesives (Mayer MT-PUR 550 WrapMaster).

Directions for Use & Integrated UV Tracer System:

Application Guidelines: Applied inline on profile wrapping machines using an automated felt dosing and application pad unit and thoroughly dried with hot-air blowers before PUR hotmelt lamination. Not suitable for vacuum applicators. Thanks to the integrated UV fluorescent tracer, the coating is invisible in daylight but glows brilliant fluorescent blue under UV blacklight, allowing 100% optical quality inspection of continuous wetting and felt alignment.
GKFP & DIN 2304 Standards: Complies fully with the technical leaflet 'Reliable lamination of window profiles' (GKFP e.V., Bonn) and DIN 2304 adhesive bonding quality standards. Substrates must be dry, free from dust, grease, and static chips.

Application & Processing Parameters:

Processing Parameter	Specification / Operational Value
Application Method	Inline automated felt dosing and application unit (Felt pad unit)
Drying Procedure	Complete drying via hot-air blowers / inline IR tunnel prior to foil
UV Tracer Detection	Brilliant fluorescent blue glow under UV blacklight (365 nm)
Standard Compliance	Approved in accordance with RAL-GZ 716, GKFP & DIN 2304 compliant
Compatible Adhesives	Reactive PUR Hotmelt Adhesives (Mayer MT-PUR 550 WrapMaster)
Compatible Substrates	Rigid PVC window profiles, C-PVC, exterior Renolit/Hornschuch/Haogen foils
Coating Weight	Approx. 5 – 10 g/m² (Regulated via felt dosing valve)
Packaging Options	30 kg industrial safety canister and 250 kg drum

Critical Processing & Safety Considerations:

- Due to high vapor pressure, open containers carefully and condition to temperatures < 25 °C.
- Storage below 15 °C may lead to phase separation. This can be reversed by warming up to >= 15 °C and stirring to homogenize.
- Not suitable for vacuum applicators; use felt dosing units.
- Open applicator stations require dedicated local exhaust extraction.

Typical Physical & Chemical Properties:

Physical Property	Specification Value
Physical State & Appearance	Free-flowing fluid; Colorless in daylight, fluorescent blue under UV light
Odor	Characteristic strong ester / solvent odor
Density (@ 20°C)	0.890 ± 0.020 g/cm³
Boiling Point	76 – 82 °C (Ethyl acetate base)
Flash Point	< 0 °C (-4 °C Closed cup - Highly Flammable Liquid Cat. 2)
Viscosity (@ 20°C)	< 10 mPa·s (Highly mobile fluid, ideal felt impregnation)
Evaporation / Drying Speed	Ultra-fast (< 5 seconds complete drying with hot air)
Solids Content	3.0 ± 0.5 % (Reactive modified PUR and silane active matrix)

Performance & Efficiency Rating:



Storage, Safety & Packaging Information:

Storage Conditions: Store in tightly sealed original containers in a cool (+15 °C to +25 °C), dry area away from direct sunlight and ignition sources. Shelf Life: 12 months.
Packaging Sizes: 30 kg industrial safety canister and 250 kg drum.
Cleaning: Use Mayer PUR Cleaner solvents for purging application equipment.
Safety Notice: Highly flammable liquid and vapor. Provide robust localized exhaust extraction. For full health, exposure limits, and PPE regulations, consult the official Safety Data Sheet (SDS).