Mayer ProLine Release R-101

TDS-MAYER-PRO-R101

Product Description & Function:

Mayer ProLine Release R-101 is an Liquid anti-adhesive release agent applied in the infeed area of edgebanding machines to prevent adhesive overflow and glue residue from sticking to panel surfaces and guide shoes.

Recommended Machine Position & Directions for Use:

Location: Infeed / Pre-treatment zone (Direct spray onto top and bottom panel edges)
Application Method: Applied via top and bottom precision spray nozzles in the infeed section of edgebanders. Silicone-free formulation compatible with subsequent lacquering, painting, and edge finishing. Evaporates rapidly leaving no greasy film.

Application & Processing Parameters:

Processing Parameter	Specification / Operational Value
Nozzle Position	Infeed area / before pre-milling unit (Top & Bottom nozzles)
Dispensing System	Electronically timed micro-misting nozzle (Airless / Pneumatic)
Consumption Rate	Ultra-low (approx. 1 liter per 20,000 – 35,000 linear meters)
Compatible Edges	ABS, PVC, PP, PMMA / Acrylic, Melamine, Natural Wood Veneer
Compatible Adhesives	EVA Hotmelts, Polyolefin (PO), and Reactive PUR Hotmelts
Packaging Options	30 L canister (and 1 L refill bottles)

Processing Notes & Recommendations:

- Spray nozzle orientation and timing must be precisely calibrated to hit only the workpiece edge.
- Avoid overspray; pneumatic/airless micro-misting delivers maximum chemical efficiency.
- Periodically inspect and clean spray nozzles during shift changes.
- Conduct trial runs on delicate or high-gloss surfaces prior to full-scale serial production.

Typical Physical & Chemical Properties:

Physical Property	Specification Value
Physical State & Color	Liquid fluid, Clear Light Red / Pink
Odor	Characteristic faint alcoholic / solvent odor
Density (@ 20°C)	0.79 ± 0.02 g/cm³
Flash Point	12 ± 2 °C (Closed Cup - Flam. Liq. Cat. 2)
Viscosity (@ 20°C)	< 5 mPa·s (Free-flowing liquid)
pH Value	Not applicable (anhydrous organic solution)
Evaporation Rate	Very fast (< 3 seconds)
Water Solubility	Completely miscible

Performance & Efficiency Rating:



Storage, Safety & Packaging Information:

Storage: Store in tightly closed original containers in a cool, dry, and well-ventilated area (+10 °C to +25 °C) away from direct sunlight, open flames, and heat sources. Keep container tightly sealed. Shelf Life: 24 months.
Packaging: 30 Liter industrial HDPE canister and 1 Liter refill application bottles.
Safety Notice: Contains flammable liquid and vapors. Take precautionary measures against static discharges. For comprehensive health, safety, and PPE data, refer to the official Safety Data Sheet (SDS).