Application Areas:

MT-CL 740 RedFlush is a red-tinted neutralizing flushing wax engineered for cleaning and passivating reactive polyurethane (PUR) hot melt applicator systems (melting tanks, gear pumps, heated hoses, and slot/spray nozzles) after extended downtime or during complete machine standstills.

Features a distinctive Red Visual Tracer Indicator that allows machine operators to visually verify that the flushing wax has passed through the entire hose assembly and nozzle, ensuring foolproof purging.

Universally applied in edgebanding, flat lamination, and profile wrapping equipment during shift handovers, planned maintenance, and adhesive color/grade transitions.

Characteristics & Directions for Use:

Red Visual Tracer Function: The bright red color provides visual confirmation that the flushing agent has completely reached the application head. When resuming production with fresh reactive PUR, the transition from red to natural adhesive color confirms 100% complete evacuation.

Reactive Isocyanate Passivation: Contains active passivating additives that chemically block free isocyanate (NCO) groups, preventing the adhesive from reacting with atmospheric humidity, gelling, or forming hard incrustations inside applicator hoses.

Broad Thermal Window & Ideal Melt Viscosity: Melts smoothly between 100 – 140 °C; at 120 °C (~20,000 mPas), it flows easily through applicator nozzles at standard system pressures, scrubbing old adhesive residues out.

Clean Evacuation: Flushes out cleanly without leaving oily or anti-adhesive films that could impair the final bond strength or curing kinetics of freshly loaded PUR hot melt adhesives.

Processing Parameters & Operating Conditions:

Process Parameter	Specification / Operating Condition
Recommended Processing Temperature	100 – 140 °C
Appearance & Color	Red Solid Wax (Visual Flushing Indicator)
Softening Range	approx. 80 ± 10 °C (Kofler bench)
Melt Viscosity (@ 120°C)	20,000 ± 6,000 mPa·s (Brookfield Thermosel, spindle 28, 20 rpm)
Application Method	Melting Tank Loading & Complete Hose/Nozzle Flushing Run
Flushing / Purge Cycle Duration	10 – 20 minutes (depending on system volume)

Physical & Technical Specifications:

Technical Parameter	Test Method & Specification Value
Chemical Base	Modified EVA / Synthetic Polymer Matrix + Passivating Additives + Red Tracer Dye
Density (@ 20°C)	approx. 0.95 ± 0.05 g/cm³
Solids Content	100 % (Solvent-Free Solid Wax)
Flash Point	> 220 °C (Closed Cup)
Odor / Toxicity	Odorless, Non-Toxic, Eco-Friendly Formulation
Equipment Compatibility	Compatible with all standard PUR melters, gear pumps, heated hoses, and coating heads

Performance Ratings & Quality Scores:

Red Visual Tracer Clarity & Contrast	**100 / 100**
PUR Passivation & Anti-Gel Score	**98 / 100**
Flushing & Residue Removal Power	**96 / 100**
Clean Evacuation from System	**95 / 100**
Hose & Nozzle Protection Rating	**97 / 100**

Ferhatpasa Mah. 15. Sok. No:88 Atasehir / Istanbul, Turkey
Tel: 0850 532 02 91 | info@mayertutkal.com.tr | www.mayertutkal.com.tr
ISO 9001:2015 / ISO 14001:2015 Certified Quality Management System
Mayer Industrial Adhesive Solutions Inc.

Cleaning & Maintenance:

Scrape warm cleaner residues from the tank using a soft spatula. Cold external deposits can be removed using Mayer Cold Applicator Cleaner (MT-CL 710).

Shelf Life & Storage Conditions:

Store in closed original packaging in a cool, dry place (15 – 25 °C). Protect from direct sunlight, moisture, and frost. Shelf life is 24 months from manufacture date.

Packaging & Delivery Form:

1 kg Silicone-Wrapped Blocks (12 pcs/box) / 2 kg Aluminum Cartridges / 20 kg Pail.

Important Remarks & Legal Disclaimer:

CRITICAL RULE: Before resuming regular production, the flushing agent must be completely evacuated from the equipment! Continue extruding fresh PUR adhesive until all traces of red color vanish completely. If residual flushing wax remains in the system, the crosslinking reaction of fresh PUR hot melt may be delayed.

Drain as much remaining reactive PUR adhesive as possible from the melt unit before adding MT-CL 740 RedFlush.

Mayer Adhesive Engineering & Quality Standards:

Quality Management: ISO 9001:2015 certified production, melt viscosity verification, and homogeneous red tracer dispersion.

Field Engineering Support: Machine shutdown consulting, preventative purging schedules, and nozzle maintenance advice.

Environmental & Health Safety: 100% solvent-free, non-hazardous, operator-safe synthetic wax formulation.

Ferhatpasa Mah. 15. Sok. No:88 Atasehir / Istanbul, Turkey
Tel: 0850 532 02 91 | info@mayertutkal.com.tr | www.mayertutkal.com.tr
ISO 9001:2015 / ISO 14001:2015 Certified Quality Management System
Mayer Industrial Adhesive Solutions Inc.