

# LUBRIZOL FLOW CONTROL AND LEVELING AGENTS

## ACRYLIC SURFACE MODIFIERS FOR SOLVENT-BORNE AND SOLVENT-FREE COATINGS

Lanco™ Flow acrylic surface modifiers are flow control and leveling agents for use in solvent-based or solvent-free coatings. Due to their compatibility with a wide range of resins and solvents, they can be applied in various applications like general industrial coatings, wood finishes or can and coil coatings based on polyester, epoxy, polyurethane, nitrocellulose, alkyd or acrylic resins.

Lanco™ Flow acrylic surface modifiers eliminate surface defects such as craters, pinholes and orange peel. They facilitate the coating process by improving substrate wetting and flow and leveling of the coating. Additionally, degassing is enhanced, leading to a uniform smooth surface with high gloss.

## WHAT WE ADD MAKES THE DIFFERENCE.™

- IMPROVED COATING PERFORMANCE
- SMOOTHER FILMS WITH FEWER IMPERFECTIONS
- APPLICATION OF THINNER COATING LAYERS
- MATERIAL SAVINGS

PRODUCT NAME	SOLVENT	SOLID CONTENT %	VISCOSITY mPa*s	MOLECULAR WEIGHT	DENSITY at 20 °C g/cm <sup>3</sup>
Lanco™ Flow U	—	> 99	190,000	high	1.02
Lanco™ Flow UX 80	Xylene	80	4,500	high	0.98
Lanco™ Flow UMPPA60	Methoxy-propyl acetate	60	1,000	high	0.98
Lanco™ Flow UA 50	Aromatic 100	50	250	high	0.93
Lanco™ Flow L	Xylene	> 95	1,000	low	1.03
Lanco™ Flow S	Xylene	50	100	low	0.95
Lanco™ Flow AC 196-1	Xylene	60	≤ 100	low	0.96

For additional product information, visit [lubrizol.com/coatings](http://lubrizol.com/coatings) or contact your Lubrizol representative.

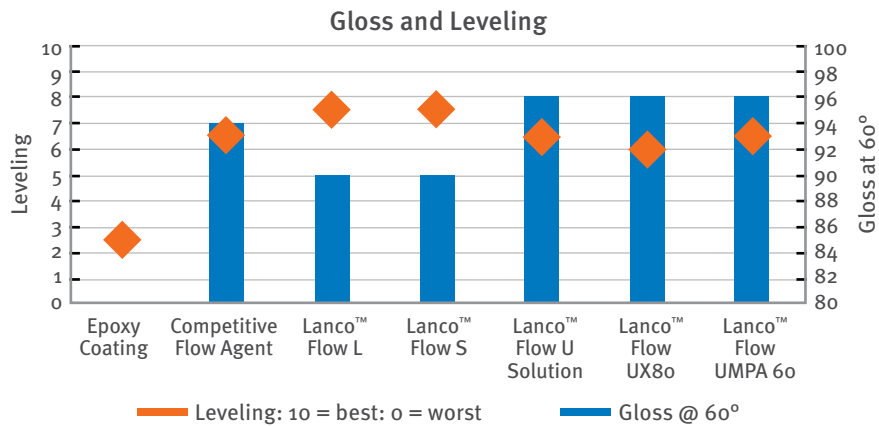


## FEATURES & BENEFITS

- SUPPORT OF DEGASSING
- CONTROL OF FLOW AND SURFACE LEVELING
- ELIMINATION OF SURFACE DEFECTS LIKE CRATERS, PINHOLES AND ORANGE PEEL
- INCREASE OF GLOSS AND CLARITY
- ENHANCEMENT OF SUBSTRATE WETTING
- VERY GOOD RECOAT PROPERTIES
- EXCELLENT COMPATIBILITY WITH VARIOUS BINDERS AND SOLVENTS

PRODUCT NAME	RECOMMENDED COATING APPLICATIONS	LEVELING	PERFORMANCE		DEGASSING
			GLOSS INCREASE	DOI INCREASE	
Lanco™ Flow U	Coil	●	○	●	●
Lanco™ Flow UX 80	Coil	●	○	●	●
Lanco™ Flow UMPA60	Coil General Industrial Packaging	●	○	●	●
Lanco™ Flow UA 50	Coil	●	○	●	●
Lanco™ Flow L	General Industrial	○	○	●	○
Lanco™ Flow S	General Industrial Automotive Coil	○	●	●	○
Lanco™ Flow AC 196-1	General Industrial	○	●	●	○

● primary application, outstanding performance    ○ secondary application, good performance



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