

# LUMIFLON LF600X

## FEVE Resin Polyols



### STARTING POINT FORMULATIONS

#### PRODUCT DESCRIPTION

LUMIFLON® LF600X is a fluoroethylene vinyl ether polyol with moderate molecular weight and moderate hydroxyl functionality. It is used in coil-coating applications requiring outstanding exterior durability. LUMIFLON LF600X provides coil coatings with a crisp, clear finish in a range of gloss levels as well as a broad range of colors. LUMIFLON LF600X is supplied in a blend of xylene.

#### CHARACTERISTICS

- Outstanding weathering resistance
- Coatings with LF600X can meet AAMA 2605
- Range of gloss levels for ultimate design freedom
- Ideal properties for coil coatings: flexibility and good adhesion to metal and/or primers

#### TYPICAL PROPERTIES

Property	LF600X
Weight Solids, %	50
Carrier Solvent	Xylene
Viscosity, cP at 25°C	900
Hydroxyl Value, mgKOH/g polymer	57
Acid Value, mgKOH/g polymer	0
Tg, 25°C	20C/68F
Specific Gravity, 25°C	1.08

#### White Coating with LUMIFLON LF600X

Cure Conditions: 50°C for 10 min., then bake at 160°C for 30 minutes  
Substrate: Chromated Aluminum Panels, 8mm

#### PIGMENT PASTE

Trade Name	Type	Parts by Weight
LUMIFLON LF600X	Resin	20.0
Ti-Pure™ R960 (Chemours)	Pigment	30.0
Xylene	Solvent	50.0
<b>Total</b>		<b>100.0</b>

#### PAINT FORMULATION

LUMIFLON LF600X	Resin	46.2
Pigment Paste	Pigment	39.0
Xylene	Solvent	2.7
0.01% Dibutyltin Dilaurate, DBTDL (in Xylene)	Catalyst	1.8
Desmodur® BL-3175 (Covestro)	Blocked Crosslinker	10.3
<b>Total</b>		<b>100.0</b>

Formula Property	Result
Solids Content, wt%	46.4
PVC	11.0
Weight/Gallon, lb/gal	9.3
VOC, g/L	597

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AGC Chemicals Americas, Inc.  
Business & Technical Center  
55 E. Uwchlan Ave, Suite 201  
Exton, PA 19341

Phone: 610.423.4300  
Fax: 610.423.4301  
<http://www.agcchem.com>

Coating Physical Property	Result
Gloss, 20/60 (ISO 2813)	51/78
Pencil Hardness (ASTM D 3363)	4H
Mandrel Bend, to fracture (ASTM D 4145)	2T
Cupping Test, to cracking (ISO 1520)	>7 mm
Impact Resistance, D=0.5in (ASTM D 2794)	
Intrusion, 0.5kg	>0.5 m
Extrusion, 0.5kg	>0.5 m
Adhesion (ASTM D 3359)	5B
Water Resistance, 40°C@24hrs (ISO 2812)	
Adhesion, wet/dry (ASTM D 3359)	5B/5B
Blistering (AST D 714)	No blisters

## STORAGE AND HANDLING

Keep away from sunlight and rain. Store in a cool, dry, well-ventilated location. Wear appropriate safety glasses and gloves to avoid contact with eyes and skins. Hands should be washed thoroughly after handling. Suitable ventilation should be used during application.

## PACKAGING

18kg Pail  
200kg Drum

### For more information and samples contact

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55 E. Uwchlan Avenue, Suite 201

Exton, PA 19341

Phone: (610) 423-4300 | Fax: (610) 423-4301

[info@lumiflonusa.com](mailto:info@lumiflonusa.com)

[www.lumiflonusa.com](http://www.lumiflonusa.com)

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