



TECHNICAL DATA SHEET

Setalux 27-1590

A hydroxyl-functional acrylic polyol

General description:

Setalux 27-1590 is a fast curing hydroxyl-functional acrylic oligomer for 2K high solids air dry, force dry and bake applications. Coatings formulated with Setalux 27-1590 exhibit excellent overall performance properties. Key properties include fast cure, good pot-life, high solids, and low VOC formulation potential. It also exhibits excellent flow and leveling, good flexibility and early water resistance.

Technical features:

1. Ability to formulate low VOC coatings (2.5 – 3.5 lbs/ gal)
2. Fast cure with good pot-life
3. Excellent flow, DOI and overall appearance properties
4. Very good exterior durability and gloss retention
5. Very good modifier to reduce VOC of higher VOC systems

Suggested uses:

1. Topcoats and single coat enamels for VR and Industrial applications
2. Maintenance and Marine coatings
3. Coatings for metal and plastics
4. Modifier for both acrylic and polyester urethane and melamine cross-linked systems

Delivery form: 80% non-volatile in methyl n-amyl ketone

Typical properties:

Property	Value	Units	Method *
Non-volatiles, by weight	80 ± 1.0	%	1 – 1
Viscosity (73°F)	Z2 – Z4	Gardner-Holdt/	2 – 1
Color	100 maximum	APHA	3 – 2
Acid value (on solids)	4 maximum	mg KOH/g	5 – 1
Appearance	clean, clear and free from extraneous matter		7 – 1

* SDM: Nuplex Resins methods of determination (available on request)

Density: 8.58 ± 0.10 lbs./gal HEW on n.v.: 400
Reduced viscosity: N – R @ 70% in MAK Flash point: 102°F Setaflash
Non-volatiles, by vol.: 74.8%

On DSL Inventory

Updated: February, 2010

All information, recommendations and suggestions, concerning the product and its use, are believed to be reliable. However, Nuplex Resins gives no assurance as to the accuracy, completeness, or adequacy for a particular purpose. It is the user's responsibility to determine the suitability for its own use of the products. No guarantee (whether expressed or implied) is made by Nuplex Resins as to the results to be obtained from using the described products, nor shall Nuplex Resins be liable for any use by others of the described products. Users are responsible for ensuring compliance with local legislation and obtaining the necessary certifications and authorizations. All orders are subject to the general conditions of sale of Nuplex Resins, which are printed overleaf and/or can be downloaded from www.nuplexresins.com. All of user's general terms and conditions are herewith deemed rejected. Nuplex Resins owns all copyrights and other intellectual property rights in the contents of this document. Reproduction or redistribution in any form is not allowed.