



TECHNICAL DATA SHEET

Setal 18-1127

An oil modified epoxy ester resin

General description:

Setal 18-1127 is a high quality oil modified epoxy ester resin recommended for general use in varnishes, pigmented enamels and primers. Setal 18-1127 is especially suited for uses requiring outstanding adhesion, alkali resistance, chemical resistance and corrosion resistance. This resin is also suitable for coatings on wood, metal or concrete surfaces.

Technical features:

1. Moderately fast cure for air-dry, bake or force-dry (~ 180°F surface temperature) cures
2. Good chemical and corrosion resistance with good adhesion
3. Good film properties with proper cure

Suggested uses:

1. Broad spectrum metal primers, varnishes and enamels
2. Corrosion protection of finished foundry parts
3. Clear varnishes for wood and concrete

Delivery form: 60% n.v. in mineral spirits

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	60 ± 1.0	%	1 – 1
Viscosity (77°F)	Y – Z1	Gardner-Holdt	2 – 1
Color	6 maximum	Gardner	3 – 1
Acid value, on n.v.	10 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: 7.65 ± 0.10 lbs./gal
Reduced viscosity: H – J @ 40% in mineral spirits
Flash point: 102°F Setaflash
Non-volatile, by vol.: 52.5%

On DSL Inventory

Updated: January, 2007

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.