TECHNICAL DATA SHEET

Setaqua B E 155

A water-soluble polyester resin [46-4155]

General description:

Setaqua B E 155 is a water-reducible, oil-free, saturated polyester resin with extremely good resistance to hydrolysis. Setaqua B E 155 is used in combination with hexamethoxymethyl melamine resins, for highly flexible films, and partially methyletherified melamine resins in the formation of water-thinnable industrial baking topcoats and primers, which can be formulated to cure in 30 minutes at 120℃. The ratio of Setaqua B E 155/ melamine resin is between 85:15 and 75:25, on resin solids.

Technical features:

1. Low co-solvent content
2. Good pigment wetting and high shear stability
3. Already neutralized and can be thinned for application

Suggested uses:

1. Metallic and solid color water borne baked primers and topcoats
2. Dip primers, which are subsequently overcoated with powder coatings

Delivery form: 55% n.v. in DI water/ butyl cellosolve/ isobutanol/ DMEA (18/ 16.8/ 6.8/ 3.7 pbw)

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight.	55.0 ± 2	%	DIN EN ISO 3251
Viscosity, (23°C):	7250 ± 1250	mPa.s	DIN EN ISO 3219/A.3
Acid value (as such)	23 ± 3	mg KOH/g	DIN EN ISO 2114
pH (10% solution with water)	8.5 ± 0.5		DIN ISO 976
Iodine color value	5 maximum		DIN EN 1557

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

Density, at 20°C: 8.33 lbs./gal
Non-volatile, by vol.: 55%
Appearance: clear to slightly cloudy

Flash point: 131°F

Not on the DSL Inventory

Stability: stable for 6 months when stored in originally sealed containers at temperatures above 32°F or below 90°F. ***NOTE:*** *The product is sensitive to frost. Freezing will damage the product irreversibly. Prolonged storage at higher temperatures may result in a decrease of viscosity and/or an increase of the average particle size, possibly resulting in sedimentation or coagulation. Contamination with certain bacteria, fungi or algae may render the product unstable.*

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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.

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