

DSX® 3515

Use

SOLVENT-FREE RHEOLOGY MODIFIER

Composition

DSX® 3515 is a synthetic polyurethane polymer system designed to improve the application and flow properties of latex coatings and adhesives. It is supplied low viscosity, solvent free product that allows for easy handling and cleanup.

Specification

Appearance	Opaque white liquid
Visual	
Viscosity (cps)	2,000 - 5,000
N-114	
Solids (%)	29 - 31
JC-111	
Specific Gravity	1.030 - 1.040
N-226	
pH (2% in water)	6.5 - 7.5
N-117	

Additional data

Appearance	opaque white liquid
Viscosity, cp	3,000
Activity, %	
By weight	20.0
By volume	17.9
pH, 2% aqueous solution	7.0
Density,	
lb/gal	8.65
g/ml	1.035

Properties

The "associative" thickening mechanism employed by DSX® 3515 enables the formulator to produce paints that exhibit optimal rheological and performance characteristics. Typically, a paint system thickened with DSX® 3515 exhibits a rheology that is less shear thinning as well as less elastic than that exhibited by an identical paint thickened with a cellulosic.

- Superior brush drag for improved applied film build
- Excellent flow and leveling for improved appearance
- Minimal roller spatter
- Good scrub resistance

Application

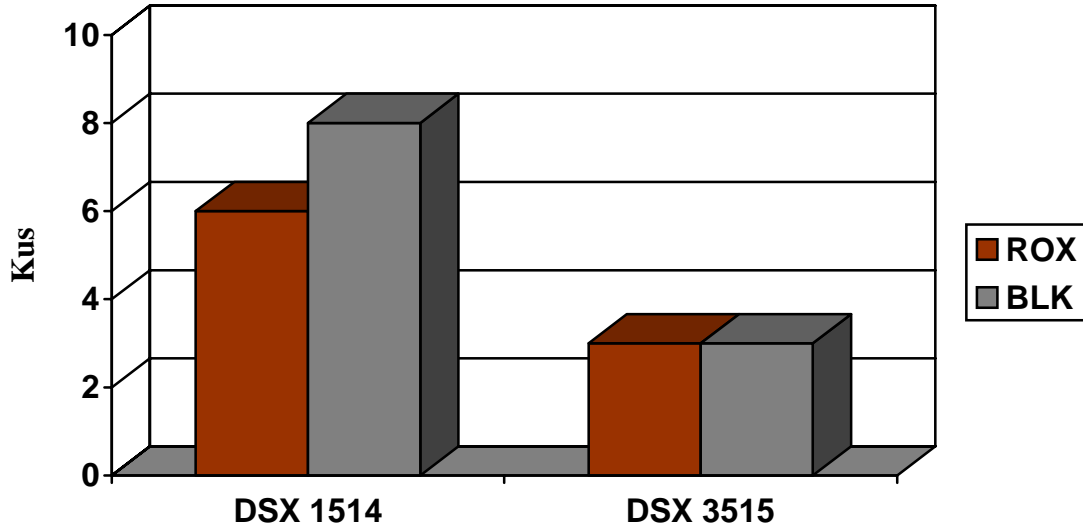
DSX® 3515 is recommended for use in high volume solids paints in which performance quality is critical. The major attributes of DSX® 3515 are best utilized in exterior and interior trade sales coatings in which both brush and roller application properties are crucial.

DSX® 3515 should be formulated with auxiliary thickeners such as attapulgite clays, low molecular weight cellulose or biogums in order to achieve optimal application, curing, and storage properties.

Although DSX® 3515 can be added to paint as is, it may be desirable to cut viscosity for easier handling. DSX® 3515 can be diluted with a variety of water-soluble coalescents, including butyl carbitol and butoxytriglycol.

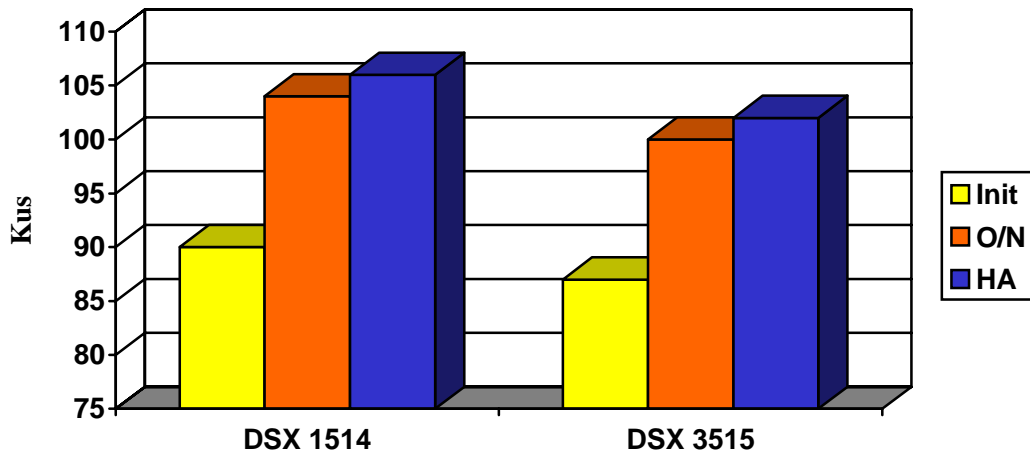
**Performance Properties:
Interior Vinyl Acrylic Semi-Gloss Paint**

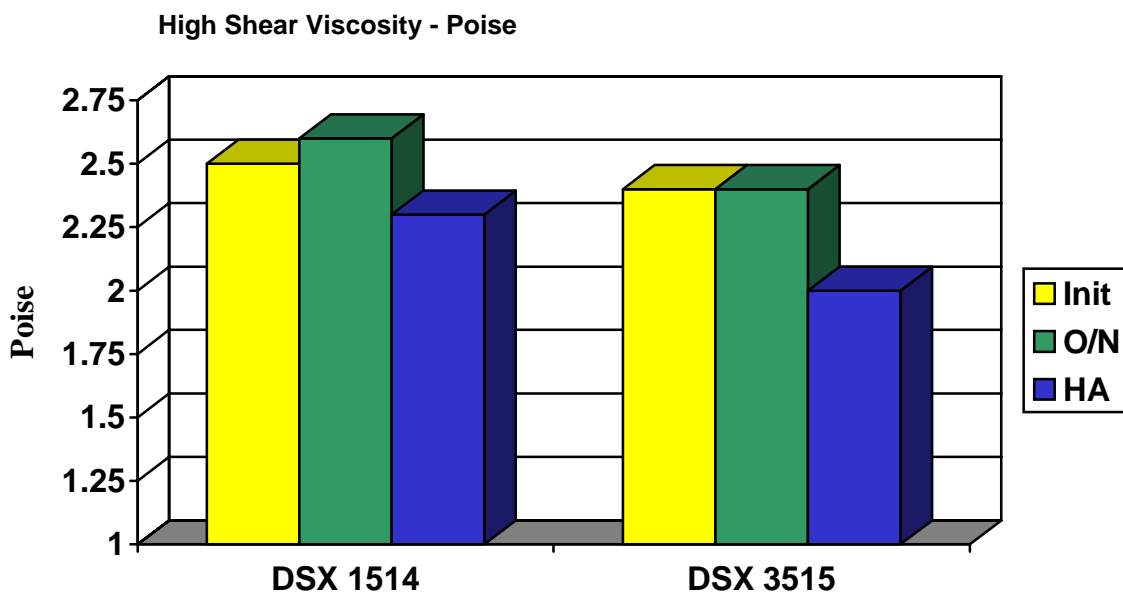
Ku Loss on Tinting - 3 Ozs Degussa Colorants



**Performance Properties:
Interior Vinyl Acrylic Semi-Gloss Paint**

Low Shear Viscosity - Kus





Dosage

Typical use levels range from 5-12 solid pounds per 100 gallons

Regulatory Status

TSCA, EINECS, DSL/NDL, AICS, ENCS/MITI

Miscellaneous

PACKAGING, STORAGE AND HANDLING

DSX® 3515 is packaged in both 55 gallon (200 liter) tighthead, polyethylene / steel composite drums and 55 gallon open head, polyethylene / fiber composite drums. Storage in a cool, dry place away from direct heat is recommended. Additional handling information is contained in a material safety data sheet, which is available on request.

FREIGHT CLASSIFICATION

DSX® 3515 rheology modifier is classified as: Synthetic Resins, NOIBN (Resin and Resin Compounds)

Revision-No.

3-05.2006 Effective May 16, 2006

Suggestions of processing and using our products are given with best knowledge and information but without obligation. COGNIS does not accept any guarantee to the suitability of a product for the user's specific purpose. Furtheron the user himself assumes a liability to follow all legal regulations by using our products. The user can only pass on our sample to third parties with previous assent of COGNIS.

