Formulation Additives

Technical Data Sheet

Rheovis® PU 1215

(old: DSX® 3515)

BASF
The Chemical Company

Product Description

Rheovis® PU 1215 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.

Chemical Composition

Solvent-Free rheology modifier

Properties

Product Specifications

Viscosity (cps) (N-114)	1,500 – 4,000
Solids (%) (JC-111)	28.5 – 31.5
Specific Gravity (N-226)	1.020 – 1.050
pH (2% in water) (N-117)	6.5 – 7.5

Typical Characteristics

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

These typical values should not be interpreted as specifications.

Applications

The "associative" thickening mechanism employed by Rheovis® PU 1215 enables the formulator to produce paints that exhibit optimal rheological and performance characteristics. Typically, a paint system thickened with Rheovis® PU 1215 exhibits a rheology that is less shear thinning as well as less elastic than that exhibited by an identical paint thickened with a cellulosic.

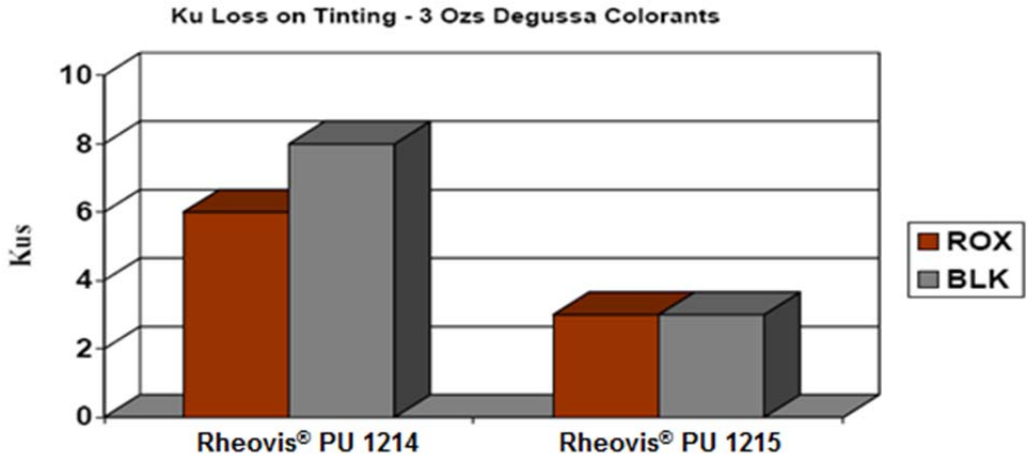
- Superior brush drags for improved applied film build
- Excellent flow and leveling for improved appearance
- Minimal roller spatter
- Good scrub resistance

Rheovis® PU 1215 is recommended for use in high volume solids paints in which performance quality is critical. The major attributes of Rheovis® PU 1215 are best utilized in exterior and interior trade sales coatings in which both brush and roller application properties are crucial.

Rheovis® PU 1215 should be formulated with auxiliary thickeners such as attapulgite clays, low molecular weight cellulosic's or biogums in order to achieve optimal application, curing, and storage properties.

Although Rheovis® PU 1215 can be added to paint as is; it may be desirable to cut viscosity for easier handling. Rheovis® PU 1215 can be diluted with a variety of water-soluble coalescents, including butyl carbitol and butoxytriglycol.

Performance Properties:
Interior Vinyl Acrylic Semi-Gloss Paint



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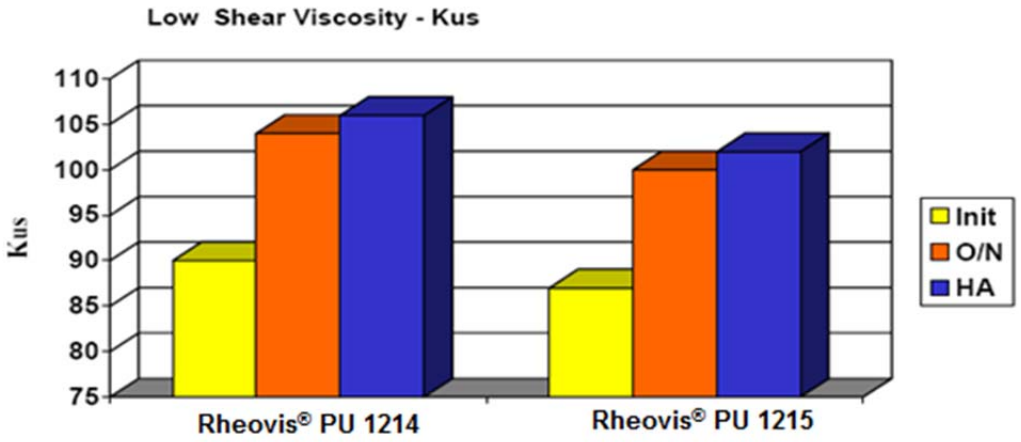

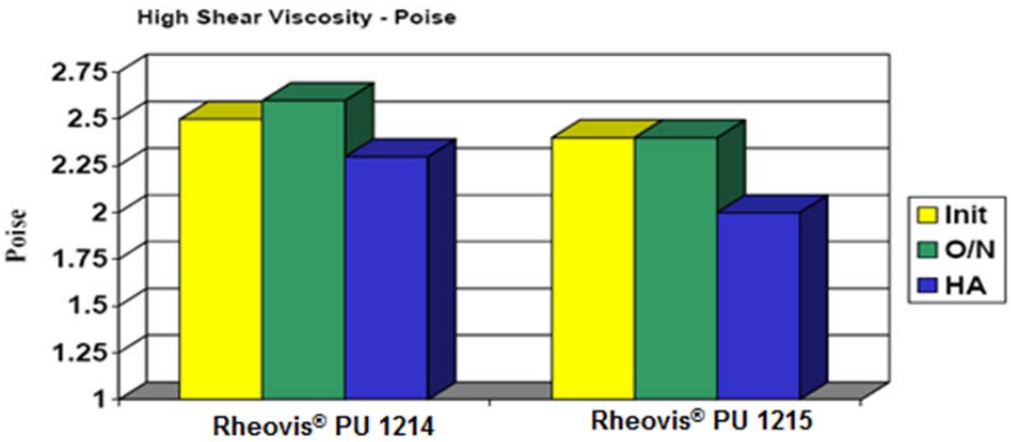

Dosage Typical use levels range from 5-12 solid pounds per 100 gallons.

Safety

General The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Material Safety Data Sheet All safety information is provided in the Material Safety Data Sheet for Rheovis® PU 1215.

Storage

Rheovis® PU 1215 is subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year. Rheovis® PU 1215 is packaged in 55 gallon (200 liter) tight head, 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.

Important

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