

TECHNICAL DATA SHEET

COAPUR™ XS 12

Solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

Nature	Water soluble non ionic polyurethane
Appearance	Viscous whitish liquid
Solid Content (%)	25
Active Content (%)	20
pH	6.5
Brookfield viscosity (mPa.s)	3000
Specific gravity	1.03
Solvent	Water

DESCRIPTION

Coapur™ XS 12 is a solvent and Alkyl Phenol Ethoxylate (APE) free associative polyurethane thickener designed for water based formulations. Coapur™ XS 12 can be used sole or in combination either with other polyurethane thickeners or with any type of rheology modifiers such as acrylic or cellulosic thickeners, acting at low shear rates. Coapur™ XS 12 is a pure associative thickener. It is designed to interact with the binder of the formulation, in order to control the rheology selectively at high shear rates with the most limited impact at low and medium shear rates. Coapur™ XS 12 helps match the highest coating quality possible for water-based formulations by achieving the best flow and leveling.

RECOMMENDED ADDITION LEVEL

As sole thickener in lacquers, gloss and semi-gloss dispersion paints: 0.5% to 3%, combined with a medium and/or low shear effective thickener: 0.5 to 2.0% both based on solids content.

STANDARD PACKAGING

Other packaging may be available upon request
• 1000L IBC • 220L Plastic Drum

HANDLING & STORAGE

It should be protected from the effects of weathering and stored between 5 and 40°C. Once opened, packaging should be resealed immediately after use. In these conditions, this product should be used within 12 months from delivery.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

MARKETS

Coatings & Inks

- Graphic Arts
- Architectural Coating
- Industrial Coating
- Textile & Leather Coating
- Inks

Adhesives & Sealants

- Pressure Sensitive Adhesives

KEY BENEFITS

FORMULATION

- Color acceptance
- Compatibility
- Easy handling



STORAGE

- Syneresis resistance
- Viscosity stability



APPLICATION

- Film build
- Brushability
- Rollability



FILM PROPERTIES

- Gloss
- Levelling
- Water resistance



SAFER SOLUTIONS

- APEO Free*
- Heavy Metal Free*
- Solvent Free*

* Not intentionally added but not specifically measured (not part of product specification)

THICKENING MECHANISM

Associative
Non Associative
Self Association



VISCOSITY CONTRIBUTION

High Shear contribution
Low Shear contribution
Mid Shear contribution



COAPUR™ XS 12

PVC

PVC Low
PVC Mid
PVC High



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