

TECHNICAL DATA SHEET

COAPUR™ XS 71

Solvent free liquid non ionic PU thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

Nature	Water soluble non ionic polyurethane
Appearance	Viscous whitish liquid
Solid Content (%)	29
Active Content (%)	17.50
pH	7
Brookfield viscosity (mPa.s)	2500
Specific gravity	1.03
Solvent	Water

DESCRIPTION

Coapur™ XS 71 is a solvent free polyurethane thickener recommended for water based systems which should combine high in can viscosities with excellent pigment compatibility, for further use on tinting machine or manual coloration. Coapur™ XS 71 offers a unique pseudoplastic rheology profile, performing also strongly at medium shear rate and significantly at high shear rates. Its use ensures a smooth structure and an optimized easiness of coat with no spatter. Coapur™ XS 71 ensures the best color development possible while using pigment pastes, even in presence of problematical binders. The use of Coapur™ XS 71 limits viscosity drop after pigment paste addition, eliminates pigment flooding and floating during storage and enables to match excellent results based on rub-out test.

RECOMMENDED ADDITION LEVEL

As sole thickener in matt dispersion paints: 0.1 to 1% combined with a high and/or medium shear effective thickener in all kinds of formulations: 0.05 to 0.8%, both based on active content.

STANDARD PACKAGING

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

HANDLING & STORAGE

It should be protected from the effects of weathering; stored between 5 and 40°C and sheltered from direct sun exposure. This product can be altered by frost. 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
- Traffic Paint

Adhesives & Sealants

- Assembly
- Other Adhesives
- Pressure Sensitive Adhesives
- Sealants

KEY BENEFITS

FORMULATION

- Color acceptance
- Compatibility
- Easy handling



STORAGE

- Antisettling
- In-can appearance
- Syneresis resistance
- Viscosity stability



APPLICATION

- Brushability
- Rollability
- Sag resistance



FILM PROPERTIES

- Rub out
- Gloss
- Levelling



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



COAPUR™ XS 71

VISCOSITY CONTRIBUTION

Low Shear contribution
Mid Shear contribution
High Shear contribution



PVC

PVC Low
PVC Mid
PVC High

