

TECHNICAL DATA SHEET

COAPUR™ 3020

Solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

| | |
|------------------------------|---|
| Nature | Water soluble non ionic polyurethane |
| Appearance | Viscous whitish liquid |
| Solid Content (%) | 20 |
| Active Content (%) | 20 |
| pH | 7 |
| Brookfield viscosity (mPa.s) | 3000 |
| Specific gravity | 1.03 |
| Solvent | Water |

DESCRIPTION

Coapur™ 3020 is a solvent-free and APEO free pure associative polyurethane thickener (also called HEUR, NISAT or NSAT). It provides a pure Newtonian rheology to water-borne systems. It allows to adjust selectively high shear viscosities and thus ensures excellent film build, spatter resistance and leveling together with low dosage and flexibility of use.

RECOMMENDED ADDITION LEVEL

Its typical dosage is between 0.5% and 3% (as delivered on total formulation weight). It should be added at levels between 0.5 and 1.5% depending on the rheological profile of the co-thickener, when used in combination, or between 1 and 3% when used as sole thickener.

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC • 220L Drum

HANDLING & STORAGE

It should be protected from the effects of weathering and stored between 5 and 40°C and sheltered from direct sun exposure. Once opened, packaging should be resealed immediately after use. To be easily pumpable, Coapur™ 3020 should be used about 20°C. 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

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- Industrial Coating
- Textile & Leather Coating
- Traffic Paint

Adhesives & Sealants

- Assembly
- Pressure Sensitive Adhesives
- Sealants

KEY BENEFITS

FORMULATION

- Color acceptance
- Easy handling
- Post addition



STORAGE

- Viscosity stability
- In-can appearance
- Syneresis resistance



APPLICATION

- Film build
- Spatter resistance
- Brushability



FILM PROPERTIES

- Rub out
- Levelling
- Anticorrosion



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 

PVC

PVC Low 
PVC Mid 
PVC High 

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