

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 allow 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

It 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 expose. 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.

MARKET

Coatings & Inks

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

Adhesives & Sealants

- Assembly
- Pressure Sensitive Adhesives

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

- **Anticorrosion**
- **Levelling**
- **Rub out**



- **APEO free** Yes
- **Bacteria resistance** Yes
- **Heavy metal free** Yes
- **Solvent-free** Yes

THICKENING MECHANISM

Associative

VISCOSITY CONTRIBUTION

High Shear contribution

PVC

PVC Low
PVC Mid
PVC High