

TECHNICAL DATA SHEET

COAPUR™ 3020 BB

Bio-based and solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener



90% bio-based product (USDA certified biobased product)



Lower carbon footprint

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
Total Bio content (%)	90

DESCRIPTION

Coapur™ 3020 BB is a 90% bio-based HEUR thickener. Coapur™ 3020 BB 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

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 expose. Once opened, packaging should be resealed immediately after use. To be easily pumpable, Coapur™ 3020 BB should be used about 20°C. In these conditions, this product should be used within 12 months from delivery.

MARKETS

Coatings & Inks

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

Adhesives & Sealants

- Assembly
- Other Adhesives
- 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

- 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)

- Total Bio content (%) **90**

COAPUR™ 3020 BB

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.

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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