

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	<b>Water soluble non ionic polyurethane</b>
Appearance	<b>Viscous whitish liquid</b>
Solid Content (%)	<b>20</b>
Active Content (%)	<b>20</b>
pH	<b>7</b>
Brookfield viscosity (mPa.s)	<b>3000</b>
Specific gravity	<b>1.03</b>
Solvent	<b>Water</b>
Total Bio content (%)	<b>90</b>

**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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