

# COAPUR™ 3020

Solvent free liquid polyurethane thickener  
**HEUR Polyurethane Thickener**

## 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>

## 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

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 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