

# 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 A 1x5 row of 5 dark blue dots.

## VISCOSITY CONTRIBUTION

High Shear contribution A 1x5 row of 5 dark blue dots.

## PVC

PVC Low	A 1x5 row of 4 dark blue dots followed by 1 light blue dot.
PVC Mid	A 1x5 row of 5 dark blue dots.
PVC High	A 1x5 row of 4 dark blue dots followed by 1 light blue dot.