

# COAPUR™ 520 W

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>27</b>
Active Content (%)	<b>20</b>
pH	<b>8</b>
Brookfield viscosity (mPa.s)	<b>3000</b>
Specific gravity	<b>1.03</b>
Solvent	<b>Water</b>

## DESCRIPTION

Coapur™ 520 W is a solvent-free and APEO-free HEUR thickener. It provides a very balanced rheology profile contributing to high-shear viscosities and medium-shear viscosities. As a consequence it provides a very good leveling in satin paints and improve significantly spattering resistance while offering also some antissettling properties. Furthermore, it provides very good response and efficiency in VAE binders. This new polyurethane thickener could therefore easily replace the use of a combination of high-shear and low-shear thickeners.

## RECOMMENDED ADDITION LEVEL

Use levels: 0.2% to 2% of dry product of total weight of formulation.

## 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, it 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
- Industrial Coating
- Textile & Leather Coating

### Adhesives & Sealants

- Other Adhesives
- Pressure Sensitive Adhesives

## KEY BENEFITS

### FORMULATION

- **Compatibility**
- **Easy handling**
- **Post addition**



### STORAGE

- **Viscosity stability**
- **In-can appearance**
- **Syneresis resistance**



### APPLICATION

- **Spatter resistance**
- **Film build**
- **Brushability**



### FILM PROPERTIES

- **Levelling**
- **Rub out**
- **Water resistance**



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

## THICKENING MECHANISM

Associative

## VISCOSITY CONTRIBUTION

High Shear contribution

## PVC

PVC Mid

PVC High

PVC Low