

# COAPUR™ 4820

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

## TYPICAL CHARACTERISTICS

Nature	Water soluble non ionic polyurethane
Appearance	Viscous whitish liquid
Solid Content (%)	33.50
Active Content (%)	20
pH	7
Brookfield viscosity (mPa.s)	6000
Specific gravity	1.03
Solvent	Water

## DESCRIPTION

Coapur™ 4820 is a solvent and Alkyl Phenol Ethoxylate (APE) free polyurethane thickener designed for all types of water based formulations, especially the solvent free formulations.  
Coapur™ 4820 can be used sole or in combination either with other polyurethane thickeners or with other types of rheology modifiers such as acrylic or cellulosic thickeners.

Coapur™ 4820 provides excellent coating properties due to its high associative effectiveness with every kind of binder.

Coapur™ 4820 increases specifically the viscosities at medium and high shear rates in order to improve tool load, film build, levelling and brush drag. Thanks to its exclusive rheological features, Coapur™ 4820 also prevents from settling and sagging tendency in low PVC formulations.

## 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 immediatly after use.  
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
  - Other Adhesives
  - Pressure Sensitive Adhesives

## KEY BENEFITS

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

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

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

- FILM PROPERTIES**
- **Rub out**
  - **Water resistance**
  - **Anticorrosion**

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

## THICKENING MECHANISM

- Associative
- Self Association

## VISCOSITY CONTRIBUTION

- High Shear contribution
- Mid Shear contribution
- Low Shear contribution

## PVC

- PVC Mid
- PVC High
- PVC Low