

## TECHNICAL DATA SHEET

### COAPUR™ 980 W

Solvent-free liquid polyurethane thickener

#### HEUR Polyurethane Thickener

#### TYPICAL CHARACTERISTICS

Nature	Water soluble non ionic polyurethane
Appearance	Viscous whitish liquid
Solid Content (%)	27
Active Content (%)	17.5
pH	7
Brookfield viscosity (mPa.s)	3000
Specific gravity	1.03
Solvent	Water

#### DESCRIPTION

Coapur™ 980 W offers an unique pseudo plastic rheology profile, performing strongly at medium shear rates while contributing significantly at high shear rates. It builds low shear viscosity reasonably high in order to help optimize both levelling and sag resistance. Coapur™ 980 W is a solvent, Alky Phenol Ethoxylates (APEO), tin and heavy metal free associative polyurethane thickener and opens new perspectives particularly for low emission water based paints needing attractive in can appearance and tool load, outstanding coatings properties and colour acceptance. Coapur™ 980 W is easy to use and suitable for automatic dosing systems thanks to its low viscosity. Coapur™ 980 W is designed to be used sole or in combination ideally with high shear viscosity builders such as Coapur™ 2025 if brush drag, film build or spatter resistance have to be increased specifically.

#### RECOMMENDED ADDITION LEVEL

As sole thickener in matt dispersion paints: 0.1 to 1%. Combined with a high and/or medium shear effective thickener in all kinds of formulations: 0.05 to 0.8%.

#### 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 exposure. Once opened, packaging should be resealed immediately after use.

To be easily pumpable, Coapur™ 980 W should be used at temperatures above 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.

#### MARKETS

##### Coatings & Inks

- Graphic Arts
- Architectural Coating
- Industrial Coating
- Textile & Leather Coating

##### Adhesives & Sealants

- Assembly
- Other Adhesives
- Sealants

#### KEY BENEFITS

##### FORMULATION

- Color acceptance
- Compatibility
- Easy handling



##### STORAGE

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



##### APPLICATION

- Brushability
- Rollability
- Sag resistance



##### FILM PROPERTIES

- Rub out
- Gloss
- Levelling



##### SAFER SOLUTIONS

- APEO Free\*
- Heavy Metal Free\*
- Solvent Free\*

\* Not intentionally added but not specifically measured (not part of product specification)

#### THICKENING MECHANISM

Non Associative  
 Self Association  
 Associative



# COAPUR™ 980 W

## VISCOSITY CONTRIBUTION

Low Shear contribution  
Mid Shear contribution  
High Shear contribution



## PVC

PVC Low  
PVC Mid  
PVC High

