

COAPUR™ 975 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 (%)	17.50
pH	7
Brookfield viscosity (mPa.s)	3000
Specific gravity	1.03
Solvent	Water

DESCRIPTION

Coapur™ 975 W offers a 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™ 975 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™ 975 W is easy to use and suitable for automatic dosing systems thanks to its low viscosity. Coapur™ 975 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™ 975 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.

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

- **Color acceptance**
- **Compatibility**
- **Easy handling**



STORAGE

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



APPLICATION

- **Brushability**
- **Rollability**
- **Sag resistance**



FILM PROPERTIES

- **Rub out**
- **Anticorrosion**
- **Chemical resistance**




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

THICKENING MECHANISM

Non Associative 
Self Association 

VISCOSITY CONTRIBUTION

Low Shear contribution 
Mid Shear contribution 

PVC

PVC High 
PVC Mid 