

TECHNICAL DATA SHEET

COAPUR™ 520 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 (%)	20
pH	8
Brookfield viscosity (mPa.s)	3000
Specific gravity	1.03
Solvent	Water

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 immediatly 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.

MARKETS

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

- Rub out
- Levelling
- Water resistance



SAFER SOLUTIONS

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

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

THICKENING MECHANISM

Associative
Non Associative
Self Association



VISCOSITY CONTRIBUTION

High Shear contribution
Low Shear contribution
Mid Shear contribution



COAPUR™ 520 W

PVC

PVC Low
PVC Mid
PVC High



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