COAPUR™ 2020 W

Solvent free liquid polyurethane thickener
HEUR Polyurethane Thickener

ADHESIVES & SEALANTS

COATINGS & INKS

Typical Characteristics

Nature	**Water soluble non ionic polyurethane**
Appearance	**Viscous whitish liquid**
Solid Content (%)	**20**
Active Content (%)	**20**
pH	**7**
Brookfield viscosity (mPa.s)	**2000**
Specific gravity	**1.03**
Solvent	**Water**

Description

Coapur™ 2020 W is a solvent and Alkyl Phenol Ethoxylate (APE) free associative polyurethane thickener designed for water based formulations. Coapur™ 2020 W can be used sole or in combination either with other polyurethane thickeners or with any type of rheology modifiers such as acrylic or cellulosic thickeners, acting at low shear rates. Coapur™ 2020 W is s a pure associative thickener. It is designed to interact strongly with the blinder of the formulation, in order to control the rheology at high shear rates. Coapur™ 2020 W helps to match the highest coating quality possible for water-based formulations.

Recommended addition level

As sole thickener in lacquers, gloss and semi-gloss dispersion paints: 0.5% to 3%, combined with a medium and/or low shear effective thickener: 0.5 to 1.5% both based on solids content.

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. Once opened, packaging should be resealed immediately after use.
To be easily pumpable, Coapur™ 2020 W 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.

Adhesives & Sealants
- Assembly
- Other Adhesives
- Pressure Sensitive Adhesives

Coatings & Inks
- Architectural Coating
- Graphic Arts
- Industrial Coating
- Textile & Leather Coating
- Traffic Paint

Key Benefits

Formulation
- Easy handling
- Color acceptance
- Compatibility

Storage
- Viscosity stability
- Syneresis resistance

Application
- Brushability
- Film build
- Rollability

Film Properties
- Chemical resistance
- Levelling
- Anticorrosion

APEO free:	Yes
Bacteria resistance:	Yes
Bio content (%):	20
Heavy metal free:	Yes
Solvent-free:	Yes

Thickening mechanism

Non Associative	●○○○○
Self Association	●○○○○
Associative	●●●●●

Viscosity contribution

Low Shear contribution	●○○○○
Mid Shear contribution	●○○○○
High Shear contribution	●●●●○

PVC

PVC Low	●●●●●
PVC Mid	●●●●○
PVC High	●●○○○