COAPUR™

TECHNICAL DATA SHEET

COAPUR™ 3020

Solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

Nature	**Water soluble non ionic polyurethane**
Appearance	**Viscous whitish liquid**
Solid Content (%)	**20**
Active Content (%)	**20**
pH	**7**
Brookfield viscosity (mPa.s)	**3000**
Specific gravity	**1.03**
Solvent	**Water**

DESCRIPTION

Coapur™ 3020 is a solvent-free and APEO free pure associative polyurethane thickener (also called HEUR, NISAT or NSAT). It provides a pure Newtonian rheology to water-borne systems. It allow to adjust selectively high shear viscosities and thus ensures excellent film build, spatter resistance and leveling together with low dosage and flexibility of use.

RECOMMENDED ADDITION LEVEL

It typical dosage is between 0.5% and 3% (as delivered on total formulation weight). It should be added at levels between 0.5 and 1.5% depending on the rheological profile of the co-thickener, when used in combination, or between 1 and 3% when used as sole thickener.

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 immediately after use.
To be easily pumpable, Coapur™ 3020 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

- GRAPHIC ARTS
  - INKS
  - OTHER GRAPHIC ARTS
- ARCHITECTURAL COATING
  - INTERIOR PAINTS
  - EXTERIOR PAINTS
  - WOOD COATINGS & WOODSTAINS
  - TRIM PAINTS
  - OTHER ARCHITECTURAL COATING
  - WATERPROOFING COATING
- INDUSTRIAL COATING
  - GENERAL INDUSTRY
  - INDUSTRIAL WOOD FINISHES
  - AUTOMOTIVE AND TRANSPORTATION
- TEXTILE & LEATHER COATING
  - TEXTILE & LEATHER COATING
- TRAFFIC PAINT
  - TRAFFIC PAINT

ADHESIVES & SEALANTS

- ASSEMBLY
  - FLOOR ADHESIVES
- PRESSURE SENSITIVE ADHESIVES
  - OTHERS - PSA
- SEALANTS
  - CONSTRUCTION ADHESIVES & SEALANTS

KEY BENEFITS

FORMULATION
- Color acceptance
- Easy handling
- Post addition

STORAGE
- Viscosity stability
- In-can appearence
- Syneresis resistance

APPLICATION
- Film build
- Spatter resistance
- Brushability

FILM PROPERTIES
- Rub out
- Levelling
- Anticorrosion

COAPUR™ 3020

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



PVC

PVC Low
PVC Mid
PVC High



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