COAPUR™
BIO-BASED

TECHNICAL DATA SHEET

COAPUR™ 817 BB

Bio-based and solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener

93% bio-based product (USDA certified biobased product)

Lower carbon footprint

TYPICAL CHARACTERISTICS

Nature	**Water soluble non ionic polyurethane**
Appearance	**Viscous whitish liquid**
Solid Content (%)	**29**
Active Content (%)	**17.50**
pH	**7**
Brookfield viscosity (mPa.s)	**3500**
Specific gravity	**1.03**
Solvent	**Water**
Total Bio content (%)	**93**

DESCRIPTION

Coapur™ 817 BB is a 93% bio-based HEUR thickener. Coapur™ 817 BB is a solvent-free and APEO free pure associative polyurethane thickener (also called HEUR, NISAT or NSAT). It can be used sole or in combination with other polyurethane thickeners or with other types of rheology modifiers such as acrylic or cellulosic thickeners. It increases specifically viscosities at medium and high shear rates in order to improve tool load, film build, leveling and brush drag.

RECOMMENDED ADDITION LEVEL

As sole thickener in semi-gloss and satin dispersion paints: 0.1 to 0.6%, as sole thickener in one-coat matt dispersion paints: 0.3 to 1%, both based on active content. Combined with a low shear effective thickener in high PVC matt dispersion paints: 0.05 to 0.4% based on active 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; stored between 5 and 40°C and sheltered from direct sun exposure. This product can be altered by frost. Once opened, packaging should be resealed immediately after use.
To be easily pumpable, it should be used about 20°C. The appearance of Coapur™ 817 BB can evolve within time, progressively and from the bottom to the top, from a whitish appearance to a translucent yellowish appearance, the surface showing at the end a whitish phase. Such a change in appearance has no impact on the properties and use if the product.
In these conditions, this product should be used within 12 months from delivery.

MARKETS

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

ADHESIVES & SEALANTS
- ASSEMBLY
  - OTHER ASSEMBLY
- OTHER ADHESIVES
- PRESSURE SENSITIVE ADHESIVES
  - PRESSURE SENSITIVE ADHESIVES_

KEY BENEFITS

FORMULATION
- Color acceptance
- Compatibility
- Easy handling

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

APPLICATION
- Spatter resistance
- Brushability
- Film build

FILM PROPERTIES
- Rub out
- Levelling
- Gloss

COAPUR™ 817 BB

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.

SAFER SOLUTIONS

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

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

- Total Bio content (%) **93**

THICKENING MECHANISM

Associative
Self Association
Non Associative



VISCOSITY CONTRIBUTION

High Shear contribution
Mid Shear contribution
Low Shear contribution



PVC

PVC Low
PVC Mid
PVC High



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