COAPUR™

TECHNICAL DATA SHEET

COAPUR™ 830 W

Solvent free liquid polyurethane thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

Nature	**Water soluble non ionic polyurethane**
Appearance	**Viscous whitish liquid**
Solid Content (%)	**50**
Active Content (%)	**30**
pH	**7**
Brookfield viscosity (mPa.s)	**9000**
Specific gravity	**1.04**
Solvent	**Water**

DESCRIPTION

Coapur™ 830 W is a solvent and Alkyl Phenol Ethoxylate (APE) free polyurethane thickener designed for all types of water based formulations, especially the solvent free formulations.
Coapur™ 830 W can be used sole or in combination either with other polyurethane thickeners or with other types of rheology modifiers such as acrylic or cellulosic thickeners.
Coapur™ 830 W provides excellent coating properties due to its high associative effectiveness with every kind of binder.
Coapur™ 830 W increases specifically the viscosities at medium and high shear rates in order to improve tool load, build film, levelling and brush drag. Thanks to its exclusive rheological features, Coapur™ 830 W also prevents from settling and sagging tendency in low PVC formulations.

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.
Once opened, packaging should be resealed immediately after use.
The appearance of Coapur™ 830 W evolves 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 of the product.
In these conditions, this product should be used within 12 months from delivery.

MARKETS

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

Adhesives & Sealants
- Assembly
- Pressure Sensitive Adhesives

KEY BENEFITS

FORMULATION
- Color acceptance
- Compatibility
- Ready to use

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

APPLICATION
- Spatter resistance
- Brushability
- Film build

FILM PROPERTIES
- Rub out
- Levelling
- Gloss

SAFER SOLUTIONS
- APEO Free*
- Heavy Metal Free*
- Solvent Free*

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

THICKENING MECHANISM

Associative
Self Association
Non Associative

COAPUR™ 830 W

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.

VISCOSITY CONTRIBUTION

High Shear contribution
Mid Shear contribution
Low Shear contribution

PVC

PVC Low
PVC Mid
PVC High

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on https://www.arkema.com/global/en/products/product-safety/disclaimer/ which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790
arkema.com