

TECHNICAL DATA SHEET

COAPUR™ XS 48

Solvent-free liquid polyurethane thickener

HEUR Polyurethane Thickener

TYPICAL CHARACTERISTICS

Nature	Water soluble non ionic polyurethane
Appearance	Viscous whitish liquid
Solid Content (%)	17.5
Active Content (%)	17.5
pH	8
Brookfield viscosity (mPa.s)	4000
Specific gravity	1.03
Solvent	Water

DESCRIPTION

Coapur™ XS 48 is a solvent-free and APEO-free associative polyurethane thickener designed for water-based formulations. It provides a Newtonian to balanced rheology profile and can replace combinations of medium- and high-shear rheology modifiers. It shows a high effectiveness with most binders and helps achieve the desired rheology adjustment with a low dosage. It can be used in combination with low-shear rheology modifiers to improve application properties such as sag- and settling resistance, brush- and roller loading. Coapur™ XS 48 provides excellent film build, spatter resistance and leveling to low-medium PVC paints such as satin paints. It helps to achieve very good color development and stabilization.

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 immediately after use. 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

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- Industrial Coating

Adhesives & Sealants

- Assembly
- Other Adhesives
- Pressure Sensitive Adhesives

KEY BENEFITS

FORMULATION

- Color acceptance
- Compatibility
- Easy handling



STORAGE

- Viscosity stability
- In-can appearance
- Syneresis resistance



APPLICATION

- Film build
- Spatter resistance
- Brushability



FILM PROPERTIES

- Rub out
- Levelling
- Water resistance



THICKENING MECHANISM

Associative
Non Associative
Self Association



VISCOSITY CONTRIBUTION

High Shear contribution
Mid Shear contribution
Low Shear contribution



PVC

PVC Low
PVC Mid
PVC High



Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80