



## COAPUR™ XS 22

Solvent free thickener for  
Alkyd emulsion paints

Alkyd emulsion binders interact in a specific way with fillers, pigments and various hydrophobically modified additives in comparison with current water based emulsion binders (acrylic, styrene acrylic, ethylene vinyl acetate). Their reactivity is generally stronger which results in higher viscosities, particularly at low shear rates, and poorer storage stability.

Considering those requirements, COATEX has designed **COAPUR™ XS 22**, a specific thickener for alkyd emulsion systems.

### • TYPICAL ANALYSIS

**Nature:** Polyurethane in aqueous solution.

**Appearance (20°C):** Viscous liquid

**Active content (%):** 25

**pH (20°C):** 6.5

**Specific gravity (20°C):** 1.04

**Brookfield viscosity (100 rpm):** 6 000 mPa.s

### • APPLICATIONS

**COAPUR™ XS 22** is a solvent free polyurethane thickener of the Newtonian type providing an optimized balance between high, medium and low shear viscosities to alkyd emulsion based paints. Its exclusive design enables to control brush drag, spatter resistance and film build without deteriorating ease of coat and levelling.

**COAPUR™ XS 22** also helps achieve high levels of gloss. Gloss values of more than 85 (measured at 20°) can be aimed with a gloss alkyd emulsion incorporating **COAPUR™ XS 22**. When a high amount of **COAPUR™ XS 22** is needed e.g. to obtain superior film build and spatter resistance, it will also tend to enhance the gloss level.

Half or a third of the total amount of **COAPUR™ XS 22** should be incorporated before the pigments and fillers addition, the rest at the end of formulation. The typical dosage should be selected in the range from 0.5 to 2% (active on total formulation weight), depending on the high shear viscosity to achieve.

### • STORAGE

**COAPUR™ XS 22** should be protected from the effects of weathering and stored between 5 and 40°C and sheltered from direct sun exposure.

Once opened, packaging should be resealed immediately after use.

In these conditions, products should be used within 12 months after delivery.

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## • STANDARD PACKAGING

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- 220 l plastic drums,
- 1 000 l containers.

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## • HEALTH & ENVIRONMENTAL DATA

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Please refer to the Material Safety Data Sheet.

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## • EXAMPLES

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Formulations examples are available in a COATEX Technical Bulletin "Specific solutions for Alkyd Emulsion Systems".

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