

Technical Data Sheet

22 April 2012

SATURATED POLYESTER RESIN

KUDEC OFP 15S/70

Kudec OFP 15S/70 is a saturated polyester in 4:1 Solvent Naphtha 100: Butyl Glycol and has been specifically designed for the formulation of coil coating enamels with excellent exterior durability.

Application Areas

Kudec OFP 15S/70 may be used in the formulation of flexible and highly durable industrial coil coatings used for topcoats.

Physical Characteristics

| Parameter | Units | Limits | Parameter ¹ | Units | Limits |
|------------------------|----------|--------|--------------------------------------|-------------------|---------|
| Non-Volatile Content | % | 70 ± 2 | Viscosity (25°C) | Poise | 25 - 35 |
| Viscosity (25°C) | Gardner | ± Z | Hydroxy Equivalent Mass ² | grams | ± 1100 |
| Acid Value (on solids) | mg KOH/g | 2 - 4 | Hydroxyl Number ² | mg KOH/g | ± 50 |
| Colour | Gardner | 1 Max | Hydroxy Percentage ² | % | ± 1.5 |
| Clarity | Nil | Clear | Density (25°C) | g/cm ³ | ± 1.10 |

Compatibility Characteristics¹

| Solvents | | Film Formers ³ | |
|------------|--------------|----------------------------|------------|
| Alcohols | Limited | Amino Resins | Compatible |
| Aliphatics | Incompatible | Nitrocellulose | Limited |
| Aromatics | Compatible | Cellulose Acetate Butyrate | Limited |
| Esters | Compatible | Isocyanates | TBA |
| Ketones | Compatible | | |

Notes:

¹ Properties are provided for information purposes only and do not form part of the product specification.

² Hydroxyl data provided is based on the solid resin.

³ Due to the variability of film formers available, compatibility should first be checked in both unpigmented solution and as a dried film.

Usage

Kudec OFP 15S/70 may be utilised, in conjunction with a suitable amino resin, in the preparation of single pack topcoat systems for mild steel coil coating applications which will subsequently be used in interior or exterior applications such as cladding, rolling stock, transportation etc.

Packaging

Kudec OFP 15S/70 is available in 190 Kg Net mild steel drums. For bulk packaging requirements please contact our sales department.

Storage Stability and Safety

Kudec saturated polyester resins should be stored in a cool, dry position below 30°C and away from direct sunlight or other heat sources. Under these conditions the resins will have a shelf life of one year.

Kudec saturated polyester resins should additionally be stored and handled in accordance with local statutory regulations. For further safety information please refer to the product MSDS.

No warranty or guarantee, express or implied, is made regarding the suitability of this product for any application since the customer's product formulation and manner of use are beyond our control.

UOP are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.