

Technical Data Sheet

18 April 2012

SATURATED POLYESTER RESIN

KUDEC OFP 45S/65

Kudec OFP 45S/65 is a saturated polyester in 3:1 Solvent Naphtha 100: Butyl Glycol mixed solvent and has been specifically designed for the formulation of economical coil coatings with very good exterior durability.

Application Areas

Kudec OFP 45S/65 may be used in the formulation of industrial coil and roller coatings for:

- Primers
- Backing Coats
- Topcoats

Physical Characteristics

Parameter	Units	Limits	Parameter ¹	Units	Limits
Non-Volatile Content	%	65 ± 2	Viscosity (25°C)	Poise	30 - 40
Viscosity (25°C)	Gardner	Z ₁ – Z ₂	Hydroxy Equivalent Mass ²	grams	± 1220
Acid Value (on solids)	mg KOH/g	10 Max	Hydroxyl Number ²	mg KOH/g	± 45
Colour	Gardner	2 Max	Hydroxy Percentage ²	%	± 1.4
Clarity	Nil	Clear	Density (25°C)	g/cm ³	± 1.06

Compatibility Characteristics ¹

Solvents		Film Formers	
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.

Usage

Kudec OFP 45S/65 may be utilised, in conjunction with a suitable amino resin, in the preparation of single pack primers, backing or 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 45S/65 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.