

"MAGIC IN PAINTS"

SMK-5170

SEMKYD CFA 31 X 70 PU

DESCRIPTION

SMK-5170 is a Coconut Fatty Acid based Short Oil Alkyd Resin and esterified with glycols.

PRINCIPLE PROPERTIES

- ✓ Very good chemical resistance, excellent hardness
- ✓ Very high gloss and gloss retention
- ✓ Very light color and yellowing resistance

RECOMENDED APPLICATIONS

- ✓ 2K PU systems
- ✓ Single Component Cellulosic systems
- ✓ Low temperature stoving systems

SOLUBILITY

| Solvent Type | Solubility |
|---------------------|------------|
| Toluene | + |
| Xylene | + |
| White Spirit | - |
| n-Butanol | - |
| Methy-Ethyl Ketones | + |
| Glycol Ethers | + |

COMPATIBILITY

| Resin Type | Compatibility |
|---------------------|---------------|
| Rosin Esters | - |
| Amino Resins | + |
| Short Oil Alkyds | + |
| Medium Oil Alkyds | - |
| Long Oil Alkyds | - |
| Aliphatic Hardeners | + |
| Aromatic Hardeners | + |
| Cellulosic Resin | + |
| Polyether Polyol | - |

TECHNICAL SPECIFICATIONS

| Composition | | |
|------------------------------|--------------------|------------|
| Oil type | Coconut Fatty Acid | |
| Oil Length, % | ~29% | |
| Solvent | Xylene | |
| PA Content, % | ~18 % | |
| OH % | ~4.8 | |
| Test | Range | Method |
| Non Volatile, % | 70±2 % | ISO 3251 |
| Viscosity (25°C) Pa.s | 8 - 11 | ISO 3219 |
| Acid Value (mgKOH/g) | 10 max | ISO 2114 |
| Color (Gardner) | 3 max | ISO 4630-2 |
| Density (g/cm ³) | 1.06±0,02 | ISO 2811-1 |

PACKAGING AND DELIVERY FORM

Resin is supplied in steel drum with net content of 200 Kg per drum. For the other package condition, please contact with us.

RECOMMENDED DRIER COMBINATIONS

Calculated Usage Rates

SMK 5170/Amino Resin 2:1/3:1/3:2/4:1

SMK-5170/Cellulosic Resin 1:1/3:2/2:1

SMK-5170/PU Hardener 1:1/2:1

Oven Applications Conditions 15' at 150 °C or 30' at 120 °C

STORAGE AND SHELF LIFE

Store in at temperatures between 5-30 °C, well-sealed packaging, dry and well-ventilated storage, should be avoided from direct sunlight.

Storage Shelf Life – 12 months from date of production.

MATERIAL SAFETY

Before handling the product , SDS of SMK-5170 should always be read and well understood. Safety prodecures should be followed.

This document is prepared by SEMKIM authorized person. To more information please visit www.semkim.com.tr