

TECHNICAL DATA SHEET

SYNOLAC® S42X(M)

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® S42X(M) is a chain stopped, short oil drying alkyd resin. It produces fast drying paints and lacquers which able to achieve a good hardness in a very short time.

SALES SPECIFICATIONS

| | CHARACTERISTICS | METHODS |
|---------------------------|-----------------|---------------|
| Solid content (125°C, %) | 53 - 57 | ISO 3251 |
| Viscosity (25°C, Gardner) | Z2 - (Z3+) | Gardner-Holdt |
| Color (Gardner) | Max. 5 | ASTM D-1544 |
| Acid value (mg KOH/g) | 23 - 35 | ISO 2114 |

OTHER CHARACTERISTICS¹

| | CHARACTERISTICS | METHODS |
|------------------------|-----------------|---------|
| Solvent | Xylene | - |
| Density (25°C, g/mL) | 1 | - |
| Fatty acid type | Soya Bean Oil | - |
| Fatty acid content (%) | 42 | - |
| Hydroxyl content (%) | 4.5 | - |

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
- General Industry

PERFORMANCE BENEFITS

- Good hardness
- Fast cure reactivity
- Good adhesion
- Good durability

SYNOLAC[®] S42XM

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC[®] S42X(M) has little tendency to yellow and is suitable for use in air drying industrial paints for metal substrates such as auto-body repair finishes and machinery paints.

SYNOLAC[®] S42X(M) may also be used together with amino resins for use in low bake stoving finishes.

SOLUBILITY

Aromatic hydrocarbon — Complete

Alcohol — Partial

Aliphatic Hydrocarbon — Partial

COMPATIBILITY

Urea Resins — Very Good

Short Oil Alkyd — Good

Melamine Resins — Very Good

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC[®] S42X(M) should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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