



CRESTAKYD[®] 41-5012

Styrene / rosin modified short oil alkyd

INTRODUCTION

CRESTAKYD 41-5012 is a styrene modified alkyd based upon dehydrated castor oil and supplied as a solution in xylene. Its key benefits are rapid drying characteristics and ease of formulation.

CHARACTERISTICS

(Not to be taken as a specification)

Solids content	%	50 ± 1
Oil type		Dehydrated castor
Solvent		Xylene
Acid Value (base resin)	mg KOH g ⁻¹	20
Colour PRS		2.5
Viscosity (25°C) (PRS bubble tube)	mPa s	4950
Solids % at 200 mPa s (25°)		33 ± 1
Relative density at 20°C		0.982
Flash Point (Abel closed cup)	°C	24

APPLICATIONS

For rapid air dry and low temperature stoving hammer finishes, primers, under-coats and enamels suitable for use on mass produced metal articles, such as car components, drums, toys, wheelbarrows, garden and agricultural machinery.

It is possible to produce low cost air dry finishes which surface dry in approximately 15 minutes and hard dry in 20-25 minutes with good development of through hardness. Typical of many styrene modified alkyds, there is always a tendency towards sensitivity to recoating: a deficiency usually associated with drier concentration, film thickness and application conditions.

Drier Recommendation 0.03% cobalt as metal, calculated on the solid resin content.

Thinner Recommendation Complete tolerance to aromatic hydrocarbon solvents. Limited tolerance to alcohols, ester and ketone solvents. Insoluble in aliphatic hydrocarbon solvents.

PACKAGING

CRESTAKYD 41-5012 is supplied in drums. Bulk deliveries are by road tanker.

STORAGE

CRESTAKYD 41-5012 can be stored in containers supplied. Where practical store below flashpoint.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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