



REPLAKYD-R-539-70

TECHNICAL DATA SHEET

R-539-70 Chain stop short oil alkyd resin developed specifically for cost-Effective 2K polyurethane systems, offering excellent reactivity with Polyisocyanates and superior film properties.

PRODUCT DETAILS

Product Description :	Colour On G-Scale(50% Soln) :
Short oil Alkyd Resin Based On Semi Drying F.A. / Penta / Phthalic	5 Max
Form Of Supply :	Clarity :
As 70% Solution in Xylene	Clear
Oil Length :	Acid Value (mg of KOH / gm) :
27%	15 Max
Solid Content (120°C / 1Hr.) :	Xylene tolerance :
70 ± 2 %	Infinite
Viscosity @ 30°C on FC/B4 (50% in Mix Xylene)	M.T.Tolerance:
250-290 secs	NO
	Finish on Hegmann gauge :
	7 min

A drier combination of 0.05% Cobalt, 0.5% Lead and 0.1% Calcium (calculated on metal based on solid resin content) is recommended for air drying paint system. Lead can be replaced by 0.2% Zirconium.

Surface Dry	:	30 Mts.
Tack Free Dry	:	1-2 Hrs
Hard Dry	:	8 – 10 Hrs Max

PROPERTIES

Fast-drying behaviour under ambient or forced-dry conditions
High film hardness after full cure
Superior resistance to abrasion and surface damage
Excellent Pencil Hardness.
Excellent Gloss in 2k System.

STORAGE

Storage stability of **R-539-70** at or below temperature 35°C packed in original container can withstand up to 12 months.

DILUTION

Soluble in xylene, toluene, n-butanol.
No M.T.Tolerance
Insoluble in methyl and ethyl alcohols.

GENERAL PERFORMANCE

R-539-70 is a Chain stop short oil alkyd resin specially developed for use in cost-effective 2K systems. It offers fast drying, excellent hardness development, and high gloss when crosslinked with polyisocyanates. The resin provides outstanding scratch resistance, good chemical durability and superior surface appearance, making it ideal for industrial metal coating and economic auto motive refinishing applications.

COMAPATIBILITY

Short Oil alkyd	- Complete
Amino resin	- Complete
Long Oil Alkyd	- Very Limited