

SYNOLAC S63EHV70

Long Oil Alkyd Resin

Product Information

SYNOLAC S63EHV70 is an extra high viscosity long oil oxidising alkyd developed for use in all decorative paints and varnishes. Excellent drying, durability, good colour and gloss retention are particular characteristics of this resin.

Sales Specification

Non-volatile content, % (ISO 3251, 1h, 125°C)	68 – 72
Viscosity at 25°C, Gardner Holdt	Z4Z5 – Z5Z6 (60% NV)
Colour, Gardner scale (ASTM D1544)	Max. 6
Acid value, mg KOH/g (ASTM 3682)	2 - 10

Other Properties

Volatile	White Spirit
Density at 25°C, g/cm ³ (ISO 2811)	0.96
Type of oil / fatty acid	Soy bean oil
Oil / fatty acid content, %	63

Noted: Acid value quoted relative to solid resin

Recommendations for Use

SYNOLAC S63EHV70 is excellent for use in a large variety of interior and exterior paints. It is most suitable for application by brush. **SYNOLAC S63EHV70** is recommended for use in making all colours of decorative finishes exterior architecture, marine paints and heavy-duty coatings. It is workable to produce economical gloss enamel with **SYNOLAC S63EHV70** attributed to its high viscosity characteristic.

A suitable combination of driers for use with **SYNOLAC S63EHV70** is 0.05% cobalt, 0.15% zirconium and 0.20% calcium calculated as metals on solid resin. Slight variations in the drier levels may be appropriate for particular paint systems.

To prevent in-can skinning of coatings a volatile anti-skinning agent such as methyl ethyl ketoxime is recommended. A level 0.2-0.5% calculated on solid resin is normally adequate.

Solubility

Aromatic hydrocarbon	Complete
Aliphatic Hydrocarbon	Complete
Alcohol	Partial

SYNOLAC S63EHV70

Recommendations for Use

Compatibility

Long Oil Alkyd	Very Good
Linseed Oil	Very Good
Stand Oil	Very Good
Medium Oil Alkyd	Partial

Precautions for Use

Please refer to corresponding Safety Data Sheet.

Storage Recommendations

SYNOLAC S63EHV70 should be stored under shelter in the original containers at temperature not exceeding 35°C. Avoid exposure to direct sunlight.

Shelf Life

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



The world is our inspiration

Arkema Coating Resins Malaysia Sdn Bhd
PLO 491, Jalan Keluli,
Pasir Gudang Industrial Estate,
81700 Pasir Gudang, Johor, Malaysia

Telephone:

(60) 7-253 6688

Fax:

(60) 7-251 8453

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.** The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

Visit our website:

www.arkemacoatingresins.com

© Arkema Inc. All rights reserved.
SYNOLAC® is a trademark of Arkema Inc.
Version: 00 / November 2011