

TECHNICAL DATA SHEET

SYNOLAC® 377 BA 70

Polyester modified

PRODUCT APPLICATION DETAILS

SYNOLAC® 377 BA 70 is a fatty acid modified hydroxyfunctional polyester resin based on special fatty acids, designed to crosslink with aromatic and/or aliphatic polyisocyanates for 2 pack-polyurethane coatings with excellent flexibility and adhesion. Two pack-coatings based on SYNOLAC® 377 BA 70 are especially suitable for wood finishes in the furniture industry, selecting the appropriate polyisocyanates.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Reduced viscosity (60 % in Butyl acetate) (20°C)	390 - 450 mPa.s	ISO 12058-1
Color (Iodine Colour index)	5 max	DIN EN 1557
Acid value	20 - 30 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate	-
Flash point	28 °C	ISO 3679
Density	1.05 g/ml	ISO 2811
Hydroxyl content	5.7 %	-

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
- Wood Furniture

SYNOLAC® 377 BA 70

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 377 BA 70 can be cured with aliphatic polyisocyanates like Desmodur® N series ⁽¹⁾ but it is also compatible with other types like Desmodur® L ⁽¹⁾, HL ⁽¹⁾, IL ⁽¹⁾.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

Hydroxyl Equivalent Weight = $(17 \times 100) / \%OH$

Isocyanate Equivalent Weight = $(42 \times 100) / \%NCO$

SOLUBILITY

SYNOLAC® 377 BA 70 is well soluble in aromatic hydrocarbons, esters, glycol esters, ketones. It is limited soluble in alcohols and aliphatic hydrocarbon solvents.

COMPATIBILITY

SYNOLAC® 377 BA 70 is well compatible with other modified polyester resins like SYNOLAC® 539 BA 70 and many non drying short oil alkyds.

Notes: ⁽¹⁾ Bayer MaterialScience

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 377 BA 70 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

ARKEMA