

ABL(STEVENS) Ltd.

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TECHNICAL DATA

Roofing Resin

DESCRIPTION

Unsaturated polyester resin in
styrene monomer
Orthophthalic
Low Reactivity
Pre-Accelerated
Mildly Thixotropic
Unpigmented
Low Styrene Emission

SPECIFICATION

Viscosity Rotothinner at 25°C 2.6 - 3.5 dPaS
Monomer Content 39 - 44%
Appearance: Amber Thixotropic Liquid

APPLICATION

Hand Laminating (Roofing)

TYPICAL PROPERTIES

20°C, 2% MEKP(1)
Gel Time - 12-18 minutes
Shelf Life - 6 months
Gel time will vary depending on Winter or Summer
grade.

CHARACTERISTICS

Good Interlaminar Adhesion
Good wet out
Good Air Release

CATALYST

CUROX M400
BUTANOX HBO50 - AKZO CHEMIE
BUTANOX LPT - AKZO CHEMIE

USE AREAS

Roofing

	<u>Cast</u>	<u>Laminate</u>
Flex Strength	120	220 MPa
Tensile Strength	72	136 MPa
Tensile Modulus	4.0	6.8 G.Pa
Elongation to Break	3.0%	
H.D.T.	65°C	
Barcol 943-1 hardness		35-40

HANDLING PRECAUTIONS AND STORAGE

Polyester resins which contain styrene monomer, an irritant liquid with a flash point below 32°C (90°F), are in general subject to the Highly Flammable Liquids and Liquid Petroleum Gases Regulations 1972. The resins should be stored cool, away from direct sunlight, in closed metal containers (such as the drums in which they are supplied) if maximum shelf life is to be maintained. The quantity of styrene vapour in the working atmosphere should not exceed the Threshold Limit value of 100ppm and when stored in bulk, adequate venting of large tanks is recommended together with a storage temperature not exceeding 0°C(68°F). It is preferable to wear gloves/goggles when handling polyester resin solutions to guard against any possible skin/eye irritation arising from the presence of styrene.