

Ecrothan® 2012

BRAND FAMILY OVERVIEW Ecrothan® polyurethane dispersions and PU-acrylic hybrid dispersions are specially developed for applications requiring maximum durability in a beautiful finish, e.g. for industrial wood. Available in grades for hard surfaces and flexible substrates, including 100% cosolvent-free grades.

USAGE Provides very good abrasion, water, and blocking resistance and fast hardness development for floor coatings, parquet lacquers and industrial coatings.

DESCRIPTION Water-based polyurethane - acrylic hybrid system

PERFORMANCE ATTRIBUTES This product is used in many applications including the following:

Market	Properties Imparted
Industrial & Institutional	<i>abrasion resistance, hardness, water resistance</i>
Industrial Wood & Plastic	<i>abrasion resistance, hardness, water resistance</i>

PHYSICAL PROPERTIES The following properties are typical but should not be considered specifications:

Appearance:	white liquid
Solids Type:	Polyurethane Acrylic hybrid
Emulsifier Charge:	Anionic
Minimum Film Forming Temperature (degrees Celsius) :	30
Non-Volatile (%) :	34.0 - 36.0
pH:	7.0 - 9.0
Brookfield Viscosity (cps) :	20 - 500
Spindle Number:	2
RPM:	20
Shelf Life (months) :	The product has a shelf life of 12 months from date of manufacture when storage and handling instructions are followed.

Ecrothan® 2012

APPLICATION DATA This dispersion is compatible with most common additives, pigments and pigment preparations and can be combined with other emulsions. Due to the variety of products in the market, compatibility and storage stability have to be tested from case to case. Polyurethane thickeners are highly recommended but most commercial thickeners can be used. Due to the low minimum film forming temperature of this emulsion it is not mandatory to add coalescing agents. For application properties of the final product it might be helpful to add co-solvents like butyl glycol, butyl diglycol, Texanol or glycol ether. For Storage and Safety information see Material Safety Data Sheet.

STORAGE Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

HANDLING Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

Revised 10 November 2017

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

Ecrothan® 2012

Americas

Michelman Inc.
9080 Shell Road
Cincinnati, Ohio 45236-1299 USA
Tel: +1 513 793 7766
Fax: +1 513 793 2504

Asia Pacific

Michelman Asia-Pacific Pte. Ltd.
2A Tuas Avenue 12
Singapore 639023
Tel: +65 6861 2822
Fax: +65 6861 2262

Europe, Middle East, Africa

Michelman SARL
11, rue de l'Industrie
L-8399 Windhof
Luxembourg
Tel: +352 26 39 44 1
Fax: +352 26 39 44 80

China

Michelman (Shanghai)
Chemical Trading Co., Ltd.
Room 127, Building 5
Zhongtian Science Technology Park
No. 787 Kangqiao Road
Shanghai, China 201315
Tel: +86 21 2098 6880
Fax: +86 21 2098 6881

India

Michelman Private Limited
(formerly known as
Michelman Chemicals Pvt Ltd)
First Floor
Plot NO 61CD
Government Industrial Estate
Charkop, Kandivali (West)
Mumbai-400 067
India
Tel: +91 22 28672783
Fax: +91 22 28672784

Ecronova Polymer GmbH
Alte Grenzstraße 153
D-45663 Recklinghausen
info@ecronova.de
Tel: +49 (0) 2361/6605-0
Fax: +49 (0) 2361/6605-55

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2018 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.
All marks contained herein are registered or owned by Michelman, Inc.
Michelman is ISO 9001:2015 certified.