RELEST® Wind LEP ETU Cartridge

International

Polyurethane

PRODUCT DESCRIPTION

Product Code: RLA104, I374-8735

An exceptionally light-fast and hard-wearing polyurethane elastomer.

In combination with the adhesion promoter RELEST Wind Adhesion Promoter (I367-0080), a good bond with the substrate is usually obtained.

INTENDED USES

RELEST Wind LEP ETU Cartridge is especially designed for protecting the leading edge of rotor blades of wind power plants from erosion damage caused by rain, sand, hail, dirt and other particles suspended in the air.

PRACTICAL INFORMATION FOR RELEST WIND LEP ETU CARTRIDGE

Colour	Approx. RAL 7035
Gloss Level	Gloss
Volume Solids	>99%
Theoretical Coverage	0.5 kg/m² at 400 microns and stated volume solids; corresponds to approx. 2 m²/kg
Practical Coverage	Allow appropriate loss factors
Density	1.25 g/cm³ (Mixed)
Method of Application	Brush, Roller

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
20°C (68°F)	5 hours	1 day	40 minutes	3 hours
23°C (73°F)	4 hours	1 day	30 minutes	2 hours
35°C (95°F)	3.5 hours	1 day	15 minutes	1 hour

- Touch Dry and Hard Dry are equivalent to TG1 and TG7 respectively, according to ISO 9117-5
- Drying times will depend on the substrate temperature and ventilation.
- The figures quoted above have been determined at:
  20°C / 30% RH 23°C / 65% RH 35°C / 85% RH

REGULATORY DATA

Flash Point (Typical)	Part A 99°C (210°F); Part B 99°C (210°F)	
Product Weight	1.25 kg/l (10.4 lb/gal)	
VOC	VOC (Base)	1.25 g/kg EU Solvent Emission Directive (Council Directive 2010/75/EU)
	VOC (Hardener)	0 g/kg EU Solvent Emission Directive (Council Directive 2010/75/EU)
	VOC (Mixed)	0.69 g/kg EU Solvent Emission Directive (Council Directive 2010/75/EU)

Coating hazard marker GB 30981.2-W-Pb ≤1000-NC Qualified for GB 30981.2-2025

See Product Characteristics section for further details

RELEST® Wind LEP ETU Cartridge

Polyurethane

SURFACE PREPARATION

Surface Cleaning

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed prior to paint application. The surfaces should be cleaned thoroughly of all dust, using a vacuum or clean dry compressed air to blow while wiping with clean, oil free, and dry cloths.

Clean before sanding otherwise grease and oil can become embedded in the surface, making it impossible to obtain a clean surface.

EP Laminate
The substrate to be treated must be thoroughly sanded in order to remove any parting agent residues from the surface.

Surfaces must be sound, clean, dry and free from oil, grease, dust and other foreign matter.

APPLICATION

Mixing

Product should be used with static mixer.

1. As soon as the cartridge is opened, the static mixer must be fixed immediately.
2. Clamp the cartridge into the dispensing device with the static mixer pointing upwards.
3. Push down to start and slowly fill the mixer.
4. Turn the dispenser until the mixer points downwards and discard the first 3-4cm of discharged material.
5. The mixture should be of a uniform colour. Immediately correct any inconsistencies using a suitable metal filler knife before smoothing over the surface to be coated.

Mix Ratio

Using Part B RELEST Hardener PUR 735 (I385-0735):
100 part(s) : 100 part(s) by volume
100 part(s) : 81 part(s) by weight

Working Pot Life

20°C (68°F)	23°C (73°F)	35°C (95°F)
3 minutes	3 minutes	2 minutes

- The figures quoted above have been determined at:
  20°C / 30% RH 23°C / 65% RH 35°C / 85% RH

Brush Recommended

Roller Recommended

Thinner Do not thin

Cleaner RELEST Thinner PUR 132

Work Stoppages

Thoroughly clean all equipment with RELEST Thinner PUR 132. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

Clean Up

Clean all equipment immediately after use with RELEST Thinner PUR 132.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

RELEST® Wind LEP ETU Cartridge

Polyurethane

PRODUCT CHARACTERISTICS

RELEST Wind LEP ETU Cartridge shows a good balance between erosion resistance and application properties, resulting in very good levelling.

The product is suitable for OEM and repair and can be applied on horizontal and vertical substrates.

The use of RELEST Wind Adhesion Promoter (I367-0080) is recommended in order to achieve proper adhesion on a variety of substrates.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

For suitable primers/intermediates, consult your local representative.

RELEST® Wind LEP ETU Cartridge

Polyurethane

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet and the container(s), and should not be used without reference to the Safety Data Sheet (SDS).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult your local representative for further advice.

Warning: Contains isocyanate. Wear air-fed hood for spray application.

PACK SIZE

Cartridge Weight	Volume
0.7kg	0.4L

SHIPPING WEIGHT (TYPICAL)

Cartridge Gross Weight
0.84kg

STORAGE	Shelf Life	18 months minimum at 25°C (77°F) in original, unopened containers. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Protect from frost.

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

Copyright © AkzoNobel, 02/06/2026.

All trademarks mentioned in this publication are owned by, or licensed to, the AkzoNobel group of companies.

www.international-pc.com