RELEST® Wind Leading Edge Cartridge

International®

Polyurethane

PRODUCT DESCRIPTION

Product Code: RLA103, I374-1735

RELEST Wind Leading Edge Cartridge consists of an exceptionally light protection, durability and high abrasion resistant polyurethane elastomer.

INTENDED USES

For the protection of the leading edge of wind power rotor blades against erosion damage from rain, sand, hail, dirt and other airborne particles.

PRACTICAL INFORMATION FOR RELEST WIND LEADING EDGE CARTRIDGE

Colour	Approx. RAL 7035
Gloss Level	Gloss
Volume Solids	>99%
Theoretical Coverage	224 g/m² at 200 microns and stated volume solids; corresponds to approx. 4.46 m²/kg
Practical Coverage	Allow appropriate loss factors
Density	1.12 g/cm³ (Mixed)
Method of Application	Casting, Squeegee

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
20°C (68°F)	210 minutes	24 hours	*	*
23°C (73°F)	150 minutes	19 hours	*	*
35°C (95°F)	120 minutes	17 hours	*	*

* not applicable, material provides the final coating

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 160°C (320°F); Part B 208°C (406°F)	
Product Weight	1.12 kg/l (9.3 lb/gal)	
VOC	VOC (Base)	1.44 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)	0.73 g/kg EU Solvent Emission Directive (Council Directive 2010/75/EU)

See Product Characteristics section for further details

RELEST® Wind Leading Edge Cartridge

Polyurethane

SURFACE PREPARATION

Surface preparation is the key to a successful coating scheme. All substrates should be clean, dry, sound and free of dust, mould release agent, dirt or other contamination.

Laminate surfaces must be thoroughly sanded in order to remove any remaining mould release agent residues. RELEST Wind Leading Edge Cartridge should be recommended in conjunction with RELEST Wind Adhesion Promoter (I367-0080).

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 approx. 5 seconds of discharged material.

Mix Ratio

Using Part B RELEST Hardener PUR 7 (I385-0007):
1 part(s) : 1 part(s) by volume
100 part(s) : 97 part(s) by weight

Working Pot Life

20°C (68°F)	23°C (73°F)	35°C (95°F)
3 minutes	2 minutes	1 minute

RELEST® Wind Leading Edge Cartridge

Polyurethane

PRODUCT CHARACTERISTICS

Actual specification will depend on specific manufacturing processes and required quality standard.

Shore A hardness (24 h at +50°C)	Approx. 52

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

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

Please contact your local representative for further information.

RELEST® Wind Leading Edge 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.

PACK SIZE		
SHIPPING WEIGHT (TYPICAL)		
STORAGE	Shelf Life	18 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

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, 20/02/2024.

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

www.international-pc.com