WE-9300 is a 2-component coating system specifically designed to protect the leading edge of wind turbine blades. This product has excellent strength and flexibility, and is uniquely engineered to combine outstanding UV stability with excellent impact and abrasion resistance. It may be applied by brush, roller or airless spray equipment.

Features:
- Environmentally friendly, Zero VOC coating system
- Outstanding color stability and gloss retention
- Excellent adhesion to epoxy and polyester blades
- Tack-free in 7 hours at 70°F
- Designed for superior longevity with excellent abrasion and impact resistance

Packaging:
Available in ½ kg, 1 kg, 2 kg kits and 5 gal bulk units.

Coverage:
WE-9300 has the consistency of thick paint and can be applied up to 20 mils per coat. Theoretical coverage at 10 mils is 28ft²/kg (2.5m²/kg).

Mixing Ratio:
3.6 parts base (B) to 1 part (A) hardener by weight
2.5 parts base (B) to 1 part (A) hardener by volume

Pot Life:
For a 1 kg unit, mixed at 70°F(20°C), pot life is approximately 40 minutes. Higher temperatures or larger mass will shorten this time; lower temperatures or smaller mass will extend it. Pot life can also be extended by spreading the mass out to dissipate heat.

Colors:
WE-9300 is available in white, red and light grey. All colors possess excellent UV stability.

Technical Data and Information:

<table>
<thead>
<tr>
<th>Physical Properties of Cured System:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
</tr>
<tr>
<td>% Solids</td>
</tr>
<tr>
<td>Flexural Strength @ 70°F</td>
</tr>
<tr>
<td>Tensile Strength @ 70°F</td>
</tr>
<tr>
<td>Tensile Shear @ 70°F</td>
</tr>
<tr>
<td>Adhesion (Epoxy resin Fiberglass)</td>
</tr>
<tr>
<td>Adhesion (Polyester resin Fiberglass)</td>
</tr>
<tr>
<td>Abrasion Resistance&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>Impact Resistance</td>
</tr>
<tr>
<td>Color Retention&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>60° Gloss Retention&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>Hardness</td>
</tr>
</tbody>
</table>

<sup>1</sup> ASTM D 4060 Taber Abrasion Test, CS 17 wheel with 1 kg weight. Weight lost per 500 cycles.

<sup>2</sup> ASTM G154 Accelerated Weathering. After 720 hours exposure

Surface Preparation:
- For maximum adhesion, material should be applied to a firm, clean, dry and abraded surface.
- Best results will be obtained by abrasive blasting the surface.
- If blasting is impractical, a grinding wheel, needle gun, or very stiff wire brush may be used.
- Clean greasy, oily or waxed surfaces with suitable solvent before applying material.

Mixing:
For standard kits mix ALL of Part A with ALL of Part B. Pour Part A into Part B bucket and mix for 5 minutes while scraping down the sides. Duromar recommends “boxing” the material to ensure adequate mixing.

Cleanup:
Most solvents and commonly used thinners such as MEK, acetone and xylene can be used for cleaning tools and equipment. Duromar also supplies a non-flammable, non-hazardous safety solvent Duromar T-1 which can be used. DO NOT USE TO THIN MATERIAL FOR APPLICATION.
APPLICATION

**WE-9300** is best applied by plural component airless spray or by hand with a roller or brush.

- **Minimum Thickness/Coat**: 10mils 250µ
- **Max. Thickness/Coat**: 20mils 500µ
- **Number of Coats**: 1-2
- **Min. Application Temperature**: 50 ºF 10 ºC

For best results, do not apply:

- When humidity is over 90%
- When there is moisture on the surface
- When surface temperature is not 5 ºF(3 ºC) above dew point

OVERCOATING

For thicker coating and repairs, two or more coats may be employed. **WE-9300** may be overcoated with other UV-Stable Duromar products. In high humidity or cold temperatures, a blush may develop which should first be wiped down with soap & water and then rinsed with water. The following table is an approximate guide to the earliest and latest times an overcoat may be applied:

**WE-9300 Overcoating Window:**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>50ºF (10ºC)</th>
<th>70ºF (20ºC)</th>
<th>90ºF (30ºC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 hrs.</td>
<td>6-48 hrs.</td>
<td>3 - 24 hrs.</td>
<td></td>
</tr>
</tbody>
</table>

At 70 ºF, if 24 hours have elapsed or the material is dry to the touch, it must be roughened before overcoating. The preferred method is a light abrasive brush blasting with a soft media like walnut shells. Other treatments are light sanding, grinding or wire brushing.

CURING SCHEDULE

<table>
<thead>
<tr>
<th>Temperature</th>
<th>50ºF (10ºC)</th>
<th>70ºF (20ºC)</th>
<th>90ºF (30ºC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry to Touch</td>
<td>14 hours</td>
<td>7 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Functional Cure</td>
<td>48 hours</td>
<td>24 hours</td>
<td>12 hours</td>
</tr>
<tr>
<td>Full Cure</td>
<td>120 hours</td>
<td>96 hours</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

Q/C

The material should be visually inspected just after application and touched up where necessary.

STORAGE/SHELF LIFE

Store in dry area in closed containers between 50 ºF(10ºC) and 100ºF(40ºC). Shelf life at these conditions is greater than one year.

HEALTH AND SAFETY

READ AND UNDERSTAND ALL MATERIAL GIVEN IN THE MSDS SHEETS BEFORE USING THE PRODUCT.

**WE-9300** DOES NOT CONTAIN ANY FLAMMABLE MATERIAL OF ANY KIND. HOWEVER, THE MATERIAL IS COMBUSTIBLE. IN THE EVENT OF A FIRE, DRY POWDER, FOAM, OR CARBON DIOXIDE FIRE EXTINGUISHERS SHOULD BE USED. FIRE FIGHTERS SHOULD WEAR RESPIRATORS.

USE PROTECTIVE GLOVES AND EYEGASSES WHEN USING.

USE IN AREAS OF GOOD VENTILATION.

LIMITED WARRANTY

All recommendations covering the use of this product are based on past experience and laboratory findings. Methods or conditions of application and use of the product are beyond our control. We assume responsibility only for the uniformity of our product within normal manufacturing balances.

All Duromar products are formulated based on over 25 years of experience, laboratory tests, material data, field installations, and technical publications, which we believe to be, to the best of our knowledge, accurate and reliable. This information is intended to be used for guidance only. Because the only true reliable test is one that is in actual operation, Duromar will make available at no charge samples of materials for that testing purpose. Duromar, Inc. has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Duromar, Inc. does, therefore, not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise). The data contained herein is liable to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues, and it is, therefore, the user’s responsibility to ensure that this sheet is current prior to using the product.