

## 401-0330 Isolante PU Clear Sealer

|                                |                             |                                      |
|--------------------------------|-----------------------------|--------------------------------------|
| <b>Product codes:</b> 410-0330 | <b>Viscosity</b>            | Zahn #4 signature cup 24 sec at 25°C |
|                                | <b>Flash Point:</b>         | -6°C                                 |
|                                | <b>Density (kg/l):</b>      | 0.94 ± 2% at 25°C                    |
|                                | <b>Solid (% by weight):</b> | 31 ± 2%                              |
|                                | <b>Solid (% by volume):</b> | 21 ± 2%                              |
|                                | <b>Shelf Life (months):</b> | 12                                   |

### Product Description:

Isolante Sealer is a two component 'tie-coat' polyurethane type sealer that is designed to improve the adhesion between topcoats and substrates where poor adhesion would otherwise be obtained. These would include a wide variety of plastics, stained or exotic woods.

### Uses:

Isolante Sealer is normally used as a washcoat applied directly to the substrate in order to ensure good adhesion and oil blocking properties. It is suitable for all types of wood, MDF, veneers and some type of plastic.

|  |                                |      |
|--|--------------------------------|------|
| <b>Environmental Data (as supplied):</b> | <b>VOC less exempt lb/gal:</b> | 5.42 |
|  | <b>VOC lb/gal:</b>             | 5.42 |
|  | <b>VOC less exempt g/l:</b>    | 651  |
|  | <b>VOC g/l:</b>                | 651  |
|  | <b>VOC lb/lb Solid:</b>        | 2.23 |
|  | <b>VHAPs lb/lb Solid:</b>      | 0.88 |

### Note:

See individual compliance sheets for specific data

|                         |                               |   |
|-------------------------|-------------------------------|---|
| <b>Application Data</b> | <b>Suggested Uses:</b>        | Spray                                     |
|                         | <b>Mixing Ratio:</b>          | 2:1 with 999-0660                         |
|                         | <b>Pot Life:</b>              | 2-3 hours                                 |
|                         | <b>Application Viscosity:</b> | 20-25 sec Zahn #2 at 25°C                 |
|                         | <b>Reducer:</b>               | 800-5301 or 121-834                       |
|                         | <b>Retarder:</b>              | 800-5328 EEP                              |
|                         | <b>Clean-up Solvent:</b>      | Lacquer Thinner (do not mix with product) |
|                         | <b>Recommended Wet Film:</b>  | 2-4 mils wet                              |
|                         | <b>Coverage:</b>              | N/A                                       |

### Note:

N/A

**Directions for use:**

**Surface Preparation:**

Wood must be sanded with a 120, 150 or 180 grit paper and free of dust and all contaminants. Plastic substrates should be scuffed with Scotch Brite to improve adhesion. Substrates that cannot be sanded should be wiped clean and degreased if possible.

**General Information:**

Mix product with hardener and reducer to the recommended viscosity. Apply 2 to 4 wet mils on a sanded surface. Let dry for 30 to 60 minutes and apply the desired topcoat. If the drying time exceeds 4 hours, sanding is required to keep a good adhesion. Once catalyzed with 999-0660, this product will contain *isocyanates*. Take necessary precautions for the handling and use of this product. See MSDS. Total dry film build of Isolante should not exceed 1 dry mil. The total system build will be dependent upon the topcoat applied.

For a complete system cure, the system must be applied at a temperature above 18°C and relative humidity below 65%.

**Complete system must be verified and approved by AkzoNobel before going on production.**

Suitable topcoats include Lustrate, Chemlite, Reslack and Plasticolor. Others may be recommended as well, speak with your technical sales representative.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETE COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO THE START-UP OF PRODUCTION

**Drying Times:**

|                        | Room Temperature (68°F) | Forced Drying Schedule (122°F) |
|------------------------|-------------------------|--------------------------------|
| <b>Tack Free Time:</b> | 30 - 60 minutes         | 5 - 10 minutes                 |
| <b>Dry to Sand:</b>    | 4 hours                 | 20 - 30 minutes                |
| <b>Dry to Stack:</b>   | 8 hours                 | 4 hours                        |

**Note:**

N/A

Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 64°F/18°C must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

These products are designed for industrial use only. AkzoNobel views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.

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Updated: 2024-05-02 01:00:38

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