



|                                   |   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
|-----------------------------------|---|----------------------------|--------------------|--------------------|---|--------------------|---|-----------------------|----------------|-----------------|--|----------------|---|-----------------------------------|--|--------------------|---------------|--------------------|-----------------|-----------------------|-------------------------------|----------------------|------------------|-----------------------|------------|----------------------|-----------|
| <b>FEATURES</b>                   | <p>TOA Woodshield is high sheen waterbase acrylic emulsion paint for exterior wood surface. The properties of this product are good weathering resistance, good waterproof, anti-fungi, high flexibility and good adhesion.</p>   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| <b>TECHNICAL INFORMATION</b>      | <table border="0"> <tr> <td>Type</td> <td>: ACRYLIC EMULSION</td> </tr> <tr> <td>Color</td> <td>: Wide range of colors. Please ask for catalog or fandeck.</td> </tr> <tr> <td>Film appearance</td> <td>: Sheen</td> </tr> <tr> <td>Solid by volume</td> <td>: 69.0 ± 2.0 %</td> </tr> <tr> <td>Solid by weight</td> <td>: 54.0 ± 2.0 %</td> </tr> <tr> <td>Flash point</td> <td>- °C</td> </tr> <tr> <td>Volatile organic compounds (VOCs)</td> <td>- gram / liter</td> </tr> <tr> <td>Wet film thickness</td> <td>: 100 microns</td> </tr> <tr> <td>Dry film thickness</td> <td>: 50-60 microns</td> </tr> <tr> <td>Theoretical coverage.</td> <td>: 35-40 sq.m. / gallon / coat</td> </tr> </table> <p>Remark - Actual Surface coverage will depend on surface irregularities, Mixing, Application Condition method and technique; as well as the structure and dimensions of the object to be coated.</p> <table border="0"> <tr> <td>Touch dry ( 25-30°C)</td> <td>: 30-40 minutes.</td> </tr> <tr> <td>Recoat dry ( 25-30°C)</td> <td>: 1 hours.</td> </tr> <tr> <td>Full cure ( 25-30°C)</td> <td>: 1 days.</td> </tr> </table>  | Type                       | : ACRYLIC EMULSION | Color              | : Wide range of colors. Please ask for catalog or fandeck.  | Film appearance    | : Sheen   | Solid by volume       | : 69.0 ± 2.0 % | Solid by weight | : 54.0 ± 2.0 %   | Flash point    | - °C  | Volatile organic compounds (VOCs) | - gram / liter   | Wet film thickness | : 100 microns | Dry film thickness | : 50-60 microns | Theoretical coverage. | : 35-40 sq.m. / gallon / coat | Touch dry ( 25-30°C) | : 30-40 minutes. | Recoat dry ( 25-30°C) | : 1 hours. | Full cure ( 25-30°C) | : 1 days. |
| Type                              | : ACRYLIC EMULSION  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Color                             | : Wide range of colors. Please ask for catalog or fandeck.  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Film appearance                   | : Sheen   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Solid by volume                   | : 69.0 ± 2.0 %  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
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| Flash point                       | - °C  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Volatile organic compounds (VOCs) | - gram / liter  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Wet film thickness                | : 100 microns   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Dry film thickness                | : 50-60 microns   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Theoretical coverage.             | : 35-40 sq.m. / gallon / coat   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Touch dry ( 25-30°C)              | : 30-40 minutes.  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Recoat dry ( 25-30°C)             | : 1 hours.  |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Full cure ( 25-30°C)              | : 1 days.   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| <b>REFERENCE STANDARD</b>         | -   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| <b>APPLICATION</b>                | <table border="0"> <tr> <td>Tools</td> <td>: Roller, Brush</td> </tr> <tr> <td>Thinner No.</td> <td>: Clean Water</td> </tr> <tr> <td>Dilution (%)</td> <td>: 5 – 10% by volume</td> </tr> </table>   | Tools                      | : Roller, Brush    | Thinner No.        | : Clean Water   | Dilution (%)       | : 5 – 10% by volume   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
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| Thinner No.                       | : Clean Water   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| Dilution (%)                      | : 5 – 10% by volume   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| <b>APPLICATION SYSTEM</b>         | <table border="0"> <tr> <td><b>Surface Preparation</b></td> <td></td> </tr> <tr> <td>    <b>New surface</b></td> <td> <ol style="list-style-type: none"> <li>1. Use TOA abrasive paper no. 240 – 320 to sand the wood surface until smooth.</li> <li>2. Fill all wood crack and hole by filler.</li> <li>3. Sand again until the smooth surface is obtained and then clean the surface until no dust remain.</li> </ol> </td> </tr> <tr> <td>    <b>Old surface</b></td> <td> <ol style="list-style-type: none"> <li>1. Use TOA abrasive paper no. 240 – 320 to sand the Old wood surface until smooth.</li> <li>2. Fill all wood crack and hole by filler.</li> <li>3. Sand again until the smooth surface is obtained and then clean the surface until no dust remain.</li> </ol> </td> </tr> <tr> <td><b>Coating system</b></td> <td></td> </tr> <tr> <td>    <b>Primer</b></td> <td>:Apply by brush with TOA Aluminium Wood Primer #0AWP 1 coat. (Recoatable is at least 4 hours)<br/>:Apply by brush with TOA Universal Undercoat White #G1600 1 coat.(Recoatable is at least 8 hours)</td> </tr> <tr> <td>    <b>Topcoat</b></td> <td>: Apply by brush with <b>TOA Woodshield</b> at least 2 coats.</td> </tr> <tr> <td><b>Recommendation</b></td> <td>: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure correct drying.</td> </tr> </table> | <b>Surface Preparation</b> |                    | <b>New surface</b> | <ol style="list-style-type: none"> <li>1. Use TOA abrasive paper no. 240 – 320 to sand the wood surface until smooth.</li> <li>2. Fill all wood crack and hole by filler.</li> <li>3. Sand again until the smooth surface is obtained and then clean the surface until no dust remain.</li> </ol> | <b>Old surface</b> | <ol style="list-style-type: none"> <li>1. Use TOA abrasive paper no. 240 – 320 to sand the Old wood surface until smooth.</li> <li>2. Fill all wood crack and hole by filler.</li> <li>3. Sand again until the smooth surface is obtained and then clean the surface until no dust remain.</li> </ol> | <b>Coating system</b> |                | <b>Primer</b>   | :Apply by brush with TOA Aluminium Wood Primer #0AWP 1 coat. (Recoatable is at least 4 hours)<br>:Apply by brush with TOA Universal Undercoat White #G1600 1 coat.(Recoatable is at least 8 hours) | <b>Topcoat</b> | : Apply by brush with <b>TOA Woodshield</b> at least 2 coats. | <b>Recommendation</b>             | : The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure correct drying. |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
| <b>Surface Preparation</b>        |   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
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| <b>Coating system</b>             |   |                            |                    |                    |   |                    |   |                       |                |                 |  |                |   |                                   |  |                    |               |                    |                 |                       |                               |                      |                  |                       |            |                      |           |
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## HANDLING AND STORAGE

### Storage condition

: The product must be stored in accordance with national regulations.

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition.

Containers must be kept tightly closed.

### Shelf life

: 5 years. (at 25-30°C from manufacturing date)

## HEALTH AND SAFETY

: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

## DISCLAIMER

: The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.