

FEATURES

TOA Polyurethane 2K Gloss #T-8100 Part A and TOA Polyurethane 2K Hardener #T-8111 Part B are two pack polyurethane. The properties of these products are fast dry, high film build, good adhesion, good scratch resistance, good impact resistance, good abrasion resistance, good chemical resistance, high gloss and excellent waterproof.

Suitable for all interior woodworks such as parquet, indoor gymnasium and wooden furniture.

TECHNICAL INFORMATION

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| Type | Polyurethane Polyol and Isocyanate Hardener | |
| Color | Clear | |
| Film appearance | High Gloss | |
| Solid by volume | 56.0 ± 2.0% for Part A and 38.0 ± 2.0% for Part B | |
| Solid by weight | 56.0 ± 2.0% for Part A and 38.0 ± 2.0% for Part B | |
| Flash point | 28.4 °C for Part A and 25.8 °C for Part B | |
| Volatile organic compounds (VOCs) | NA | gram / liter |
| Wet film thickness | 100 | microns |
| Dry film thickness | 45 | microns |
| Theoretical coverage. | 10-11 | sq.m. / liter / coat |
| | 70 - 80 | sq.m. / set / coat (1 Set is composed of 1 gallon of Part A and 1 gallon of Part B) |
| | 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. | |
| Touch dry (25-30°C) | 10 - 20 | minutes. |
| Recoat dry (25-30°C) | 2-3 | hours. |
| Full cure (25-30°C) | 7 | days. |

REFERENCE STANDARD

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APPLICATION

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| Tools | Spray Gun and Soft Brush | |
| Mixing ratio A:B by volume | 1 : 1 | |
| Potlife | 3 hours. (in closed can at 25 - 30 °C) | |
| Thinner No. | TOA Polyurethane Thinner No.43N | |
| Dilution (%) | 20-30 | % |

APPLICATION SYSTEM

Surface Preparation

Old surface

The surface must be clean and free of dirt, grease, oil, wax, salt, old paint and other contaminants.

New surface

1. Use TOA abrasive paper no. 240 - 320 to sand the wood surface until smooth.
2. Fill all wood crack and hole by filler.
3. Sand again until the smooth surface is obtained.
4. Clean the surface until no dust remain.

Coating system



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| <p>Primer</p> | <p>1. Apply by brush with TOA Wood Preservative 1 coat. (Recoat time is at least 30 minutes)</p> <p>2. Apply by brush with TOA Wood Primer #T-2000 1 coat. (Recoat time is at least 1 hour)</p> |
| <p>Topcoat</p> | <p>1. Mixing ratios of T-8100 Part A + T-8111 Part B + TOA Polyurethane Thinner No.43N are 5:5:3 for first coat and 5:5:2 for second and third coat, respectively.</p> <p>2. Apply by brush with TOA Polyurethane 2K Gloss #T-8100//T-8111 at least 3 coats. (Recoat time is at least 2 hours)</p> <p>3. Before topcoat any layer, TOA abrasive paper no. 320 – 400 are recommended to sand the surface which provide good intercoat adhesion and smooth the surface.</p> |
| <p>Recommendation</p> | <p>: 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.</p> |
| <p>HANDLING AND STORAGE</p> | |
| <p>Storage condition</p> | <p>: The product must be stored in accordance with national regulations.</p> <p>Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.</p> |
| <p>Shelf life</p> | <p>: 2 years.</p> |
| <p>HEALTH AND SAFETY</p> | |
| <p>: 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.</p> <p>: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.</p> | |
| <p>DISCLAIMER</p> | |
| <p>: 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.</p> | |