

FEATURES

TOA Wood Stain Matt is based on modified alkyd resin, special additives and transparent pigments. The properties of this product are excellent UV resistance, high flexibility, good waterproof, anti-fungi, good leveling, high film build, high gloss and good penetration into the wood that provides excellent adhesion.

Suitable for all interior and exterior woodworks such as wall, gable, ceiling, handrail, wooden fence, wooden furniture and etc.

TECHNICAL INFORMATION

Type	Modified Alkyd Resin
Color	Wide range of colors. Please ask for catalog.
Film appearance	Matt
Solid by volume	NA
Solid by weight	44.0 ± 2.0 %
Flash point	38.6 °C
Volatile organic compounds (VOCs)	NA
Wet film thickness	100 microns
Dry film thickness	42 microns
Theoretical coverage.	45 – 55 sq.m. / gallon / coat

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)	2-3 hours.
Recoat dry (25-30°C)	4-6 hours.
Full cure (25-30°C)	7 days.

REFERENCE STANDARD

TIS.1513-2554

APPLICATION

Tools	Roller, Brush, Spray
Thinner No.	TOA Enamel Thinner No.21
Dilution (%)	5-10 % (roller and brush)
	20-25 % (spray)

APPLICATION SYSTEM

Surface Preparation

Old surface

For coated wood or wood with old or peeling paint film or old wood with no coating. Sand with abrasive paper to the wood surface. For coated wood which coating film still in good condition. Sand over the painted film with TOA abrasive paper no. 240-320 then clean the surface to remove grease, dust, oil or dirt.

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	
Primer	Apply by brush with TOA Wood Preservative 1 coat. (Recoat time is at least 30 minutes)
Topcoat	<ol style="list-style-type: none">1. Mixing ratios between TOA Wood Stain Matt and TOA Enamel Thinner No.21 are 5:1 for first coat and 10:1 for second and third coat, respectively.2. Apply by brush with TOA Wood Stain Matt at least 3 coats. (Recoat time is at least 6 hours)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.
Recommendation	: 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.
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	: 2 years.
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.