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# TOA WOOD STAIN GLOSS Technical Data Sheet



Rev.1 10/2017

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TOA Wood Stain Gloss 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 Gloss
Solid by volume NA

Solid by weight  $50.0 \pm 3.0$  % Flash point 37.8  $^{\circ}$ C

Volatile organic compounds (VOCs) NA

Wet film thickness 100 microns

Dry film thickness 47 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 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.

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## **Technical Data Sheet**



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Coating system	
Primer	Apply by brush with TOA Wood Preservative 1 coat. (Recoatable time is at least 30 minutes)
Topcoat	1. Mixing ratios between TOA Wood Stain Gloss 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 <b>TOA Wood Stain Gloss</b> at least 3 coats. (Recoatable 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.
otorago contanton	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	
TILALITI AND SALLIT	: 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 s uitable 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.