

DESCRIPTION

TOA GOLD LACQUER is fast drying acrylic lacquer, leaves a glitter gold surface which is more beautiful than the others. **TOA GOLD LACQUER** uses premium pearl pigment, offers shining and no darkening surface, good weather and UV resistance, anti-fungus, anti- algae, excellent wash-ability. Product adheres well and no peeling off when applied on many kinds of surfaces such as iron, wood, aluminum, zinc, etc.

TYPICAL USE

TOA GOLD LACQUER is suitable for application on both interior and exterior surfaces such as iron, aluminum, zinc, concrete, gypsum board... In addition, **TOA GOLD LACQUER** is also widely used for painting frame, wooden interior products, sanctum of pagoda, image and statue of Buddha...

PRODUCT DATA

- **Components** : Binders, pigments, additives and solvents
- **Color** : Gold
- **Paint film appearance:** Semi gloss
- **Solid by volume** : $27 \pm 2 \%$
- **Theoretical coverage** : $7.7 - 9.0 \text{ m}^2/\text{liter}/\text{coat}$
Actual surface coverage will be depended on spreading ability of paint film, dry film thickness, surface irregularities, technique and wastage during painting.
- **Volatile organic compounds (VOCs)** : $\leq 750 \text{ g/L}$
- **Flash point** : appx. 27.5°C
- **Drying time (at relative humidity (RH) 50% & dry film thickness (DFT) $30\mu\text{m} - 35\mu\text{m}$):**

	25°C	30°C	35°C
○ Surface temperature			
○ Surface dry (touch dry)	45 min	30 min	20 min
○ Hard dry	5h	4h	3h
○ Painting interval, minimum	5h	4h	3h

Actual drying time and painting interval time may be longer or shorter than provided data, depended on environmental temperature, dry film thickness, ventilation, humidity and number of coating applied, etc.

RECOMMENDED PAINT FILM SYSTEM:

SYSTEM	PRODUCT	COAT(S)	DRY FILM THICKNESS
For wall, concrete, wood surfaces:			
Base coat	TOA Gold Lacquer #P700	1 - 2	45μm
Topcoat	TOA Gold Lacquer #AU7900	2 - 3	35μm
For construction steel, iron:			
Primer	Rusttech or Epoguard Primer or Shark Epoxy Primer	1	100μm

Technical data sheet

Base coat	TOA Gold Lacquer #P700	2	45µm
Topcoat	TOA Gold Lacquer #AU7900	2 – 3	35µm
<i>For galvanized steel, aluminum, stainless steel:</i>			
Primer	TOA 2 trong 1 #222	1 -2	35µm
Base coat	TOA Gold Lacquer #P700	1	45µm
Topcoat	TOA Gold Lacquer #AU7900	2 – 3	35µm

APPLICATION INSTRUCTION

▪ SURFACE PREPARATION

Wall, concrete:

- Surface must be dry and clean; free from oil, grease, dust, laitance, etc., residue of mortar must be cleaned, surface defects must be fixed by appropriate mastic.
- Wall and concrete must be full cured after at least 28 days, surface humidity must not exceed 16% (measured by specialized inspection equipment).
- Use dedicated flattener and abrasive paper to flatten, prepare surface to achieve 30 microns – 50 microns roughness. Use vacuum cleaner to clear all dust before paint applied.

Construction steel:

- Clean oil, grease according to SSPC-SP1 – Solvent cleaning.
- Surface should be blast cleaned, at least achieved Sa 2.0 – Sa 2.5 (ISO 8501-1:2007). With area cannot be blast cleaned, use physical tools to clean the surface at least achieved St2-St3 (ISO 8501-1:2007).
- Surface roughness should be achieved 35 – 50 microns (ISO 8503-2)
- Clean all remained dust before primer applied.

Galvanized steel, aluminum, stainless steel:

- Clean surface of stainless steel by appropriate hand-tool and abrasive paper to achieve St2 – St3 (Method 1 - Hand or Power Wire-Brushing, or other abrasive treatment).
- Oil, grease must be cleaned according to SSPC-SP1 – Solvent cleaning.
- Surface roughness should be achieved 35 – 50 microns (ISO 8503-2).
- Clean all remained dust before primer applied.

Wood:

- Wood surface must be dry, stable, free from oil, grease, etc.
- Use appropriate physical tool, abrasive paper to flatten and create roughness, surface roughness should be fixed by appropriate dedicated material.
- Surface humidity should not exceed 12%; clean wood surface by vacuum before paint applied.

Notice: To maximum service time, paint film should be applied on well prepared surface. Protective coats should be applied within 4 hours after surface treatment.

Before next coat applied:

- Surface must be dry, clean, free from oil, grease and other contaminants. Clean oil, grease according to SSPC-SP1 – Solvent cleaning.

Technical data sheet

- If primer / first topcoat layer was applied over last 7 days, gives surface cleaning by sand paper no. 320-400 then follow SSPC-SP1, Solvent Cleaning before next coat applied.

■ APPLICATION

Equipment / methods:

Brush, roller, conventional spray, airless spray

For airless spray gun:

- Nozzle tip size : 0.013" – 0.021"
- Angle to the surface : 65° – 80°
- Pressure at nozzle : 140 – 190 Kg/cm² (2.000 – 2.600 Psi)

Paint film thickness:

	Min	Standard	Max
- Dry film thickness (DFT):	30µm	35µm	35µm
- Wet film thickness (WFT):	111µm	130µm	130µm

Film thickness will vary and is calculated as average.

Dilution ratio:

60% - 100% by weight with TOA lacquer thinner #74N for conventinal spray

0% - 30% by weight with TOA lacquer thinner #74N for brush, roller, airless spray

Dilution percentage is depending on ambient temperature, relative humidity, paint film thickness, equipment and application method.

HANDLING AND STORAGE

The product must be stored in accordance with national regulations.

Store in a dry, cool, good ventilation area; far from heat, open flame, flammable materials.

Tightly closed when not in use.

Keep out of reach of children.

Stir well before use, paint should be used up when lid opened.

Storage temperature is recommended at 25°C – 30°C.

Do not apply when temperature is lower than 15°C or higher than 40°C.

Do not apply when relative humidity exceeds 75%.

Surface temperature should be at least 3°C higher than the dew point of the air.

HEALTH AND SAFETY

Please do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flame, hot surface. No smoking.

Wear protective gloves, respirator, eye protection, protective clothing.

Avoid contact with skin, eyes or ingestion. Go right to the nearest health center for help in case of ingesting paint or paint contacts with eyes.

Technical data sheet

Avoid release to the environment. Treat discarded paint according to environmental law.

See more guidelines in the Safety Data Sheet.

PACKAGING

17.5 liter, 5 liter and 0.875 liter

SHELF LIFE

48 months from manufacturing day when stored at 25°C – 30°C

DISCLAIMER

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

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