

Toplus High Gloss

TPHG
1 & 5 Litre



Description

Toplus Gloss is a general purpose solvent based enamel gloss paint. Suitable for use on all types of wood and metal surfaces. Recommended for use where economy is important.

Usage

For decoration and protection of all types of interior and exterior wood and metal surfaces.

Composition

Pigment	:	Lightfast non-lead pigments and mineral extenders
Binder	:	Modified hydrocarbon resin.
Volume Solid	:	~30%
Diluent	:	General purpose thinner

Properties

Finishing	:	Gloss finish
Colour	:	Refer to color card.
Theoretical Coverage	:	14 - 17m ² /Litre (actual coverage dependent on substrate condition.)
Drying Time	:	* Touch dry – 2 - 4 hour. * Hard dry – 8 hour. *Dependent on temperature and humidity.
Recoating Interval	:	4 to 6 hours.

Application Method

Brush	:	For normal use thinning is not usually necessary. If required, add up to 10% by volume with general purpose thinner.
Roller	:	For normal use thinning is not usually necessary. If required, add up to 10% by volume with general purpose thinner.
Conventional Air Spray	:	Thin with max 10 – 20 % by volume with general purpose thinner
Airless Spray	:	Ready for use. Thinning is not usually necessary.

Surface Preparation

Surface	Preparation
Wood	Wood must be dry and free from grease, dirt, and other contaminants, smoothen surface with suitable grade sand paper and dust off before application of undercoat and paints.
Metal	Surface must be dry and free from grease, dirt and other contaminants. Steel surfaces should be sanded or wire-brushed to remove mill scales and rust.

Previously painted	Remove all loose, defective and unstable paint film. Rusted and defective areas should be sanded and feather edged and spot primed with red oxide primer or zinc chromate primer before applying subsequent coatings.
--------------------	---

Painting Guide

Surface	Primer	Sealer (1 coat)	Finish (1 - 3 coats)
Wood	Aluminum Wood Primer	Undercoat	Toplus Gloss
Metal	Red oxide primer/ zinc chromate/ phosphate Primer	Undercoat	Toplus Gloss
Aluminium & Galvanized Iron	Etch Primer	Undercoat	Toplus Gloss

Composition / Information on Ingredients

Component	% by wt
Alkyd Resin	<50
White Spirit	<25
Pigment/ Filler	<25

Hazard Identification

Hazard	Identification
Fire and explosion hazards	Liquids can release vapors that can readily form flammable mixtures at temperatures at or above the flash point.
Health hazards	May cause irritation of eye, mouth, and throat after prolonged exposure. Vapors may cause drowsiness and dizziness.

First Aid Measures

General advice	:	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
Inhalation	:	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.
Skin contact	:	Remove all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser.
Eye contact	:	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.
Ingestion	:	If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING.

Fire Fighting Measures

CLASSIFICATION	:	Flammable, harmful
*FLASH POINT	:	35oC
*EXPLOSIVE LIMITS (% BY VOLUME):		
• LEL	:	0.6
• UEL	:	7.0
FIRE EXTINGUISHING MEDIA	:	Foam, CO2, Dry Powder, sand
FIRE FIGHTING PROCEDURES	:	Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.
*properties of solvent used		

Accidental Release Measures

Personal precautions	:	Put on adequate protective equipment. Avoid breathe vapours.
Environmental precautions	:	Keep away from drains, surface-water, ground-water and soil.
Methods for cleaning up	:	Collect as much as possible in a clean container for disposal. Cover the remainder with inert absorbent. Disposal according to local.

Handling and storage

- Handling : Avoid prolonged or repeated contact with skin. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Do not empty into drains.
- Storage : Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place. Do not keep product at long time (2 years).

Exposure Controls / Personal Protection

- Respiratory Protection : Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
- Hand Protection : Chemically resistant gloves.
- Eye protection : Chemically splash-proof goggles or face shield.
- Ventilation : Sufficient ventilation should be provided during application.

Stability and Reactivity

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Keep away from oxidizing agents.
- Hazardous Decomposition Products : When exposed to high temperatures may produce hazardous decomposition product such as carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.

Toxicological Information

- Skin contact : Low order of toxicity. Prolonged and repeated contact may cause skin irritation.
- Eye contact : Prolonged and repeated contact may cause slight temporary eye irritation.
- Inhalation : Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache or dizziness.
- Effects Of Over Exposure : High vapour spray mist can be irritating to the eyes, skin and respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lung, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

Ecological Information

No ecological studies have been carried out on this product.

Disposal Considerations

This product is NOT to be disposed of by either landfill or via municipal sewers, drains, natural streams or rivers. Disposal must be in compliance with all local laws and regulation.

Transport information

Proper shipping name	Un NO	Class	Packing Group
Paint	1263	3	III

Additional Information

ADR / RID	IMDG
Hazard identification number : 30	Emergency schedules (EmS) : F-E, S-E
Special provisions : 640E	Marine pollutant : No

Regulatory Information

Risk-phrases : R10 Flammable.
 Safety phrase : S2 Keep out of reach of children.
 S7 Keep container tightly closed
 S16 Keep away from sources of ignition – NO SMOKING
 S23 Do not breathe gas/ fumes/ vapour/ spray
 S24 Avoid contact with skin
 S57 Use appropriate container to avoid environmental contamination.
 S43A In case of fire use sand, earth, chemical powder or foam.

Other Information

Our technical advice – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

Company Identification

Manufacturer : Smart Paint Manufacturing Sdn. Bhd.
 No 9 & 11, Jalan Indah Gemilang 5, Taman Perindustrian Gemilang,
 81800 Ulu Tiram, Johor, Malaysia
 Telephone No. : +607-863 9855 (Hunting Line) Fax No. : +607-861 5055
 Email : info@smart-paints.com