

Smart PU Solar Wood

SPTBPUSW
1 Litre & 5 Litres



Description

Smart PU Solar Wood is a translucent pigmented varnish based on Modified Alkyd which provides colour to wood surfaces, highlighting the natural wood grains. It is durable, water resistant and contains preservatives for protection of all timber surfaces against wood rot and mould growth. It will not crack, peel or blister by exposure to weather.

Usage

Suitable for use in both interior and exterior where maintaining the texture of wood is desired.

Composition

Pigment	:	Lightfast non-lead pigments and mineral extenders
Binder	:	Urethane alkyd base
Volume Solid	:	40 +/- 2%
Diluent	:	White Spirit

Properties

Finishing	:	Gloss finish
Colour	:	Refer to color card.
Theoretical Coverage	:	10 – 12 m ² / Litre (actual coverage dependent on substrate condition.)
Drying Time	:	*Touch dry – 30 minutes. *Hard dry – 3 - 4 hour. *Dependent on temperature and humidity.
Recoating Interval	:	4 hours.

Application Method

Brush	:	For normal use thinning is not usually necessary.
Roller	:	For normal use thinning is not usually necessary.
Conventional Air Spray	:	Thin with max 10% by volume with white spirit.

Surface Preparation

Surface	Preparation
New Wood	Surface generally must be clean, dry and free from oil, dirt, wax, grease or other contaminants. Recommend to test color on wood before decide the shade as final color shade depends on the type of wood applied. If gum is presence on surface, it must be clean by lacquer thinner. For recoating, the surface must be rub and clean.
Previously painted	Previously painted surface should be thoroughly rubbed down using suitable sandpaper and then dusted off.

Painting Guide

Surface Condition	Sealer (1 coat)	Finish (1 - 3 coats)
Wood	-	Smart PU Solar Wood

Composition / Information on Ingredients

Component	% by weight
Modified Alkyd Resin	< 84%
White Spirit	< 15%
Additive	1%

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	:	45oC
*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 the 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.
- Cleaning methods : 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 lungs, 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 by either landfill or via municipal sewers, drains natural streams or rivers 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

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