



Durra Solar Varnish

Weather Resistant Wood Varnish

DPSV

1 & 5 Litre



Description

Durra Solar Varnish is a specially formulated Urethane Alkyd base high gloss enamel finish for protection of wooden surface. It has good water resistance, UV protection, anti fungus properties. It is fast drying and easily recoatable.

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	:	3 to 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 Wood	Previously painted surface should be thoroughly rubbed down using suitable sandpaper and then dusted off.

Painting Guide

Surface	Sealer (1 coat)	Finish (1 - 3 coats)
Wood	-	Durra Solar Wood

Composition / Information on Ingredients

Certain ingredients, having recognised health effects, are present at concentrations above the exemption limits (0.1% for toxic materials and 1% for all others).

Note: Text for R phrase codes shown (if any) is given in section 16.

Hazardous Ingredient	CAS No	Symbol	%	R-Phrases
Xylene Mixture Of Isomers	1330-20-7	Xn	<2.5	R20/21,38
Naphtha Hydrodesulf Heavy	64742-82-1		30-45	
Alkyd Resin	68333-62-0		30-35	
Urethane Alkyd			30-35	
Pigment			0.1-3.0	
Lead Carboxylate	Unavailable	Tμ	0.10	R20/22,23,61

Hazard Identification

This product has been assessed under the Dangerous Preparations Directive (88/379/EEC) and the Chemicals (Hazard Information and Packaging). Regulations 1993 (CHIP), and is classified as follows:-

Hazard	Identification
Toxic	Flammable
R61	May cause harm to the unborn child.
R20/22	Harmful by inhalation and if swallowed.
R33	Danger of cumulative effects
P90	Contains Lead. Should not be used on surfaces liable to be chewed or sucked by children.

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

- Specific Hazards : Hazardous combustion products may include carbon monoxide. Will float and can be reignited on surface water. The vapor is heavier than air, spreads along the ground and distant ignition is possible.
- Extinguishing Media : Recommended – alcohol resistant foam, CO₂, powders. Do not use waterjet.
- Protective Equipment : Full protective clothing and self-contained breathing apparatus.
- Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire fighters should wear self-contained breathing apparatus. Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or water-courses.

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

Hazardous Ingredient	LTEL ppm	(8hr TWA) mg/m ³	STEL ppm	(15m) mg/m ³	Time (Mins)	Notes
Xylene, Mixture of Isomers	100.00	435.00	150.00	650.00	15	OES sk
Naphtha Hydrodesulf Heavy	100.00	575.00	125.00	720.00	15	OES
Lead Carboxylate	0.15				0	OES

- OEL : Occupational Exposure Limits (HSE Guidance Note EH40)
- OES : Occupational Exposure Standard
- MEL : Maximum Exposure Limit
- SUP : Manufacturer's recommended Limit
- LTEL : Long-term Exposure Limit.
- TWA : Time weighted Average
- STEL : Short term Exposure Limit.
- SK : Risk of absorption through unbroken skin

Further guidance on OELs and assessment of occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

- Respiratory Protection : Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved to maintain concentrations of particulars and solvent vapour below the occupational exposure limit, respirations protection must be worn. The selection of respiratory equipment should be in accordance with BS 4275. Recommendations for the selection, use and maintenance of Respiratory Equipment, and the current certificates of approval are issued by the Health and Safety Executive. The European Group of Vehicle Refinish Manufacturers united in CEPE recommends the use of fresh-air masks as the best personal protection during spraying of any car refinish paint.
- Hand Protection : Wear suitable gloves for protection against materials in section 2.
- Eye protection : Wear suitable eye protection to BS 2092.

All the above precautions also apply to dry sanding and thermal decomposition, eg welding or flame cutting of the dried product, which will give rise to dust. steps must be taken to ensure that persons nearby who may be unconnected with the spraying, sanding or hot-work operations, are not affected.

Physical And Chemical Properties

Product Code	Physical State	Specific Gravity (g/m)	Water Miscible	PH	Flash Point (deg C)
Captain Gloss	Liquid	0.90-1.10	N/A	N/A	32-35

This product supports combustion.

- Explosion limit lower (%) : 0.6 (Naphtha Hydrodesulf Heavy)
- Explosion limit upper (%) : 8.0 (Naphtha Hydrodesulf Heavy)
- Vapour Pressure (mmHg) : 7.000 (Xylene Mixture Of Isomers)

Stability and Reactivity

- Stability : Stable under normal use conditions. Reacts with strong oxidizing agents.
- Conditions to Avoid : Heat, flames and sparks.
- Material to Avoid : Keep away from oxidizing agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.
- 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

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Acute toxicity	:	No data is available on the product itself.
Local effects	:	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

Ecological Information

There is no specific data available on the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Products classified as Marine Pollutants are indicated as such under Transport (section 14).

Disposal Considerations

Waste material and containers must be treated as a fire hazard and disposed of in accordance with the general requirement of the Control of Pollution Act 1974. The 1990 Environmental Protection Act introduced controls on the disposal or depositing of waste. Due regard should be given to the "Duty of Care" required under the regulations and the guidance given under this Act.

Transport information

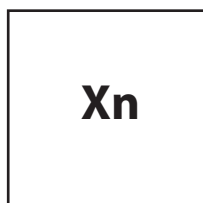
Product No	:	Captain Gloss
Class	:	3
UN-No	:	1263
Description of the goods	:	PAINT RELATED MATERIAL
Packing group	:	III
Release of danger	:	

Product No	:	Captain Gloss
UN-No	:	1263
Hazard Symbol	:	FLAMMABLE LIQUID
Release of danger	:	

Product No	:	Captain Gloss
ADR Class	:	3
IMDG Class	:	3.3
UN/ID No.	:	1263
Proper technical name	:	MARINE POLLUTANT
EMS	:	3-05
MFAG	:	310

Regulatory Information

EU Classification : Harmful, flammable
 Symbol : Xn



Harmful

Risk-phrases : R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R38 Irritating to skin
 R66 Repeated exposure may cause skin dryness @
 cracking
 R67 Vapours may cause drowsiness and dizziness
 Safety-phrases : S25 Avoid contact with eyes.

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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