

# SIGMARINE™ 42

## DESCRIPTION

Clear varnish based on wood oil phenolic resin, for interior and exterior use

## PRINCIPAL CHARACTERISTICS

- A high-quality, weather-resistant clear varnish with excellent gloss retention
- Good resistance to saltwater and fresh water
- Good scratch and abrasion resistance

## COLOR AND GLOSS LEVEL

- Transparent
- Gloss

## BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	0.9 kg/l (7.5 lb/US gal)
Volume solids	49 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 428.0 g/kg max. 395.0 g/l (approx. 3.3 lb/US gal) China GB 38469-2019 (tested) 403.0 g/l (approx. 3.4 lb/gal)
Recommended dry film thickness	30 µm (1.2 mils) per coat
Theoretical spreading rate	16.3 m <sup>2</sup> /l for 30 µm (655 ft <sup>2</sup> /US gal for 1.2 mils)
Dry to touch	3 hours
Overcoating Interval	Minimum: 16 hours Maximum: Unlimited
Shelf life	At least 24 months when stored cool and dry

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Substrate conditions

- Dry clean wood
- Compatible previous coat must be dry and free from any contamination

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## SYSTEM SPECIFICATION

- When used on new tropical timber such as teak the surface should be sealed with a coat of polyurethane clear varnish (SIGMADUR CLEARCOAT); this is required to seal aggressive products in the wood
- When coating open grain woods: [1] one coat of SIGMARINE 42 diluted 100% followed by sand papering; [2] one coat of SIGMARINE 42 diluted 50% followed by sand papering; [3] two coats of SIGMARINE 42 undiluted
- Oil seals (e.g. linseed) should not be used under SIGMARINE 42
- The varnish should be applied directly to the bare wood or over a polyurethane sealer
- In general a four coat system is sufficient

## INSTRUCTIONS FOR USE

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- Adding too much thinner results in reduced sag resistance
- Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

### Brush/roller

### **Recommended thinner**

THINNER 20-05

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431
• SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
• DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434



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