

Colorama DW1004U**URETHANE Varnish**

This is a transparent polyurethane modified alkyd varnish with outstanding hardness, chemical resistance and elasticity. The mechanical and chemical resistance of this product makes it suitable for the application as a topcoat for almost any wood works and wood floor for internal use.

Properties and Areas of Use

- Tough, hard wearing flexible film, with excellent hardness, color retention.
- Good chemical resistance, and excellent water resistance
- Cures at low temperatures

Technical Coating Data @ 25 °C for mixed material

Finish	High Gloss, Semi-Gloss or Matt
Color Range	Transparent
Solids Volume	45 ± 2%
Dry Film Thickness Range	25-75 µm
Theoretical Spreading Rate	9 m ² / L @ 50 microns DFT (loss factors will apply in practice)
Surface Dry	1 hour.
Recoat Interval	6 hours minimum 10 days maximum
Complete Cure	5 days
Pot Life	6 hours
Flash Point	28°C
Shelf Life	12 months (stored in a cool dry place)
Mixing Ratio by Weight	Single Pack
VOC	769 g/L

Film Thickness and Spreading Rate:

	Minimum	Maximum	Typical
Film thickness, dry (µm)	25	75	50
Film Thickness, wet (µm)	56	167	111
Theoretical Spreading Rate (m ² /L)	18	6	9

Suitable Surfaces

- Steel and non ferrous metals properly prepared and blast cleaned to ISO-Sa2½
- Concrete free of contamination, dust and efflorescence, and properly prepared
- Wood must be abraded with sand paper No. 320 and primed with PU or polyester wood sealer

Application Conditions

Substrate temperature should be 10°C or above for application and during cure and a minimum of 3°C above the dew point. Adequate dry air ventilation is recommended for optimum drying.

Application Information

Thinning should only take place after the two components have been thoroughly mixed.

Brush and Roller

Thin if required with 0-5% Paint Thinner Colorama TH908UE or.

Conventional Air Spraying

- Thin with 5-25% Paint Thinner Colorama TH908UE, as required.
- Tip size - 2.0 mm
- Tip pressure - 60 psi (0.4Mpa) approximately

Airless Spraying

- Thin with 0-20% Paint Thinner Colorama TH908UE, as required
- Tip size - 0.58-.79 mm approximately
- Tip pressure - 2100 psi (15Mpa) approximately

Cleaning Thinner

Equipment should be cleaned immediately after use with Paint Thinner Colorama TH908UE.

Drying time:

Drying times are affected by air ventilation, temperature, film thickness and number of coats.

Substrate Temp.	10° C	25° C	40° C
Surface Dry	3 h	1h.	30 min.
Through Dry	6 h	3 h	2 h
Dry to recoat, minimum	12 h	6 h	4 h

The given data serve as guideline only. The actual drying time differs according to film thickness, ventilation, humidity and underlying paint system.

Typical paint system:

FONDAL Sealer	2 x 100 µ
URETHANE Varnish	2 x 50 µ

Storage:

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling:

Handle with care. Stir well before use.

Packing Size:

5 L & 18 L

Summary Safety Information

- Avoid inhalation of spray mist and skin contact by the use of masks, gloves and other personal protection. Eyes should be cautiously washed with water or proprietary wash, and medical attention obtained. Skin should be thoroughly washed using a cleanser and soap and water.
- Product is flammable
- No sparks or flames
- No smoking

The information given in this data sheet represents test results & practical experience obtained under controlled conditions, and are correct to the best of our knowledge. However, as products are often used under different conditions, we can only guarantee the quality of our product, and reserve the right to change data without further notice.