

PRODUCT CHARACTERISTICS

Description

PROSHIELD DLX225 WILKOTAN is a two-component, polyurethane-based varnish with a high-gloss finish. Its advanced formulation incorporates specialized UV filters that provide effective protection against the sun's harmful rays, ensuring long-term durability even under harsh environmental conditions. In addition to its excellent resistance to abrasion and impact, it also offers outstanding chemical resistance against diesel, petrol, oil, mild acids, and solvents.

Suitable for both interior and exterior applications, PROSHIELD DLX225 WILKOTAN enhances surface aesthetics with a deep, rich gloss. It is easy to apply, featuring a silky flow and superior self-levelling properties that ensure a smooth, professional finish. For maximum protection and performance, the application of four coats is recommended.

Recommended use

It is suitable for use as a topcoat in two-component [2K] systems and can be applied to both interior and exterior surfaces.

Features

- High gloss & colour retention
- Easy application
- Superior self-levelling
- Excellent UV protection
- Long-term durability
- Smooth, professional finish

PRODUCT DATA

Product Code
DLX225

Standard Colour
Transparent

Gloss
High Gloss [$> 95^\circ$]

Mixing Ratio
3:1 by volume

Specific Gravity
 $1.0 \pm 0.05 \text{ kg/L}$

Volume Solids
 $48 \pm 2\%$

Reference dry film thickness
 $25 \text{ } \mu\text{m}$

Pack Size
0.75 L, 2.5 L

Substrates
Wood

PRODUCT SAFETY

Flash Point
 29.8°C [85.6°F]

VOC Content [Volatile Organic Compound]	Value
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Directive 2010/75/EU	468.1 g/L
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VOC values may vary depending on the selected shade. For accurate information, please refer to Section 8. and 9 of the Safety Data Sheet [SDS].

Handling

Handle with care. Prior to and during application, carefully observe all safety labels on the packaging and paint containers.

Ensure compliance with all applicable local and national safety regulations.

Always refer to the Wilckens Material Safety Data Sheet [MSDS] and the Product Data Sheet [PDS] for comprehensive guidance..

APPLICATION DATA

Application Methods

Tool	Thinning Max. Vol. [Keep thinning at an absolute minimum]
Airless spray	15%
Conventional spray	20%
Brush / Roller	20%

Thinner : POLYURETHANE TSP160 THINNER
 Cleaner : POLYURETHANE TSP160 THINNER
 Nozzle pressure : 15 MPa [150 kp/cm² 2100 psi]
 Nozzle orifice : 0.38-0.53 mm [0.015-0.021"]
 Spray angle : 40-80°

Application Conditions

Apply only to clean and dry surfaces, ensuring that the surface temperature is at least 3°C above the dew point and maximum relative humidity 85% to prevent condensation.

Ensure adequate ventilation in confined or enclosed spaces during both application and drying phases.

Mixing Instructions

Stir the contents of each component thoroughly before mixing. Combine the base and curing agent in the specified mixing ratio and mix thoroughly to ensure uniformity.

Film Thickness	Dry	Wet
Reference	25	50
Minimum	25	50
Maximum	35	70

Theoretical Spreading Rate*: 19.2 m² / L

*At the specified reference dry film thickness.

Recommended Number of Coats: 4



SURFACE PREPARATION

All surfaces to be coated must be clean, dry, and free from contaminants. Surface preparation should be carried out in accordance with ISO 8504 standards.

Steel Surfaces

Abrasive blast-cleaning to Sa 2½ as per ISO 8501 is recommended.

Power tool cleaning to a minimum standard of St 2 [ISO 8501] may be acceptable depending on the intended exposure conditions.

Previously Coated Surfaces

For guidance on surface preparation over existing coatings, please contact the Wilckens technical office.

DRYING / OVERCOATING DATA

Drying Time	5 °C [41 °F]	10 °C [50 °F]	23 °C [73 °F]	30 °C [86 °F]	35 °C [95 °F]
Pot Life	10 Hours	8 Hours	3 Hours	1.5 Hours	45 Min.
Touch Dry	8 Hours	6 Hours	3 Hours	1 Hour	45 Min.
Hard Dry	21 Days	14 Days	7 Days	3 Days	2 Days

The provided data should be regarded as general guidelines only. Actual drying times and recoating intervals may vary—potentially being shorter or longer—depending on several factors, including film thickness, ventilation, humidity, the characteristics of the underlying paint system, and specific requirements for early handling or mechanical strength.

A complete coating system, including all relevant parameters and special conditions, can be detailed in a system sheet. The stated data is based on a dry film thickness of 25 microns, measured under controlled or specifically defined conditions.

Overcoating Interval	5 °C [41 °F]	10 °C [50 °F]	23 °C [73 °F]	30 °C [86 °F]	35 °C [95 °F]
Minimum	48 Hours	30 Hours	24 Hours	10 Hours	8 Hours
Maximum	12 Days	10 Days	5 Days	3 Days	1 Day

Overcoating intervals depend on the subsequent conditions of exposure. If the maximum overcoating interval is exceeded, mechanical roughening of the surface is required to restore intercoat adhesion.

Before overcoating after exposure to contaminated environments, the surface must be thoroughly cleaned with high-pressure fresh water [min.240 bars - max.420 bars] and allowed to dry completely.

STORAGE

Shelf Life

Ambient Temperature: 25°C [77°F]

Shelf Life: 3 years from the date of production, when stored in original, unopened containers under recommended conditions.

After this period, the product must be re-inspected to ensure suitability for use.

Prolonged storage at elevated temperatures may shorten shelf life and adversely affect product quality.

Storage Conditions

The product must be stored in full compliance with all applicable national regulations. Avoid exposure to air and extreme temperatures. To ensure the full shelf life of the product, keep the container tightly sealed between uses and store it at a temperature between 5°C [41°F] and 35°C [95°F].

Protect from direct sunlight at all times.

Disposal

Do not dispose of paint containers or pour residual paint into drains, watercourses, or the environment. Use designated waste disposal facilities.

It is recommended to allow leftover paint to harden prior to disposal.

Disposal of remaining material must be carried out in consultation with local environmental authorities and in accordance with relevant regulations.

HEALTH AND SAFETY

Please observe all precautionary statements and safety symbols displayed on the product container.

Use only in well-ventilated areas. Avoid inhalation of spray mist and prevent contact with skin.

In case of skin contact, immediately remove spillage using a suitable cleanser, followed by washing with soap and water.

In case of eye contact, flush thoroughly with clean water and seek medical attention immediately.

Wear appropriate protective gloves, clothing, and eye/face protection during application.

For comprehensive information regarding health and safety hazards, protective measures, and first aid procedures, please consult the Material Safety Data Sheet [MSDS].

DISCLAIMER

The data, specifications, instructions, and recommendations provided in this data sheet are based on test results and practical experience obtained under controlled or specifically defined conditions.

Their accuracy, completeness, or suitability for any particular application or actual conditions of use must be evaluated solely by the Buyer and/or User.

We reserve the right to modify or update the information provided without prior notice.

For further information, please contact your local representative or visit www.wilckens-yachtpaint.com.