

SpecAqua PU Deck & Wood Coating

Water based weather resistant flexible exterior wood deck coating

A one component water based polyurethane coating for exterior wood surfaces, formulated with UV Stabilizers. It provides outstanding adhesion, very high flexibility, very low water absorption and has very good weathering resistance for trafficable exterior wood decking and façades. Provides good water vapour permeability.

Intended Uses:

SpecAqua PU Deck & Wood Coating is designed for use on horizontal wooden decks, vertical façades, furniture, new or existing. It is suitable on hard or soft woods. When used on bare wood, as a 2-coat system with LignaPrime as the primer the result is a coating resistant to extreme UV, water from ponding, rain or hailstorms and general weathering.

LignaPrime protects natural wood from the destruction of lignin. The result is a coating system with reduced maintenance intervals, no loss of intercoat adhesion, no embrittlement or loss of integrity. The UV stabilized coating prevents greying, fading & discolouration of wood surfaces.

Properties:

- Vapour permeable.
- Flexible.
- Abrasion resistant.
- Water based.
- Easy to apply.
- Extreme durability.
- UV resistant.
- Low water absorption.

Technical Data:

Composition	Polyurethane
Colour	Clear, transparent oxides or pigmented
Gloss Level	Glossy or silkmatt
Pack Size	1 & 5 Litre
Density Kg / Lt (Clear)	1.00
Volume Solids (Comp. A)	40%
Touch Dry Time	Approximately 20 minutes
Overcoating Minimum @ 25°C	Approximately 6 – 8 Hours
Hardening Time for Light Foot Traffic @ 25°C	Approximately 24 Hours
Typical Film Thickness	40 – 50µm (max per coat)
Theoretical Coverage	10 m ² / Lt @ 40µm
Number of Coats	2 – 3 with sanding in between (220 – 300 grit)
Method of Application	Wool pad, mohair roller, brush, or airless spray
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C
Shelf Life	12 months when stored as recommended in original un-opened containers
Clean Up Solvent	Water
Application Temperatures	Min 10°C – Max 40°C

Wood Coatings

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Typical Exterior System On Wood Decking:

Layer	Product	Consumption
Primer	LignaPrime	3 – 5 m ² / Lt depending on porosity
1 st Coat	SpecAqua PU Deck & Wood Coating	8 – 10 m ² / Lt @ 40 – 50µm
2 nd Coat	SpecAqua PU Deck & Wood Coating	8 – 10 m ² / Lt @ 40 – 50µm

NOTE: Maximum 2 coats should be applied per day. If the temperature is low, drying time will be exceeding. If the surface is hard enough to sand without clogging paper, it's hard enough to re-coat.

Surface Preparation:

Complete Renovation

All surfaces must be clean, dry & free from contamination. Surface stains & dirt can be cleaned with Timba 2K Bleach. Remove all loose peeling paint, grey loose wood fibres and rinse thoroughly with water and allow to completely dry before painting. Wood should be sanded with a coarse grit followed by a fine grit to remove coarse grit sanding marks.

Bare wood should be treated with LignaPrime by means of roller or spray application. LignaPrime is an impregnating primer which chemically prevents the degradation of lignin in wood which occurs naturally. The lignin lends wood rigidity and rot resistance. LignaPrime thus helps to drastically extend the life of the wood and the coating applied, lending to enhanced fade resistance, rot resistance, surface hardness and water resistance.

After LignaPrime has dried out, the first coat of SpecAqua PU Deck & Wood Coating should be applied without sanding.

Mixing:

SpecAqua PU Deck & Wood Coating is a one component material. It should be stirred well prior to use. If required a maximum of 5% water may be added.

Application:

Apply by brush, roller, or airless spray. When rolling a 3/8 nap synthetic roller or a mohair roller will provide a smooth finish. Always maintain a wet edge and apply as evenly as possible to ensure a uniform appearance and avoid lapping.

For best results apply in the shade to ensure surface temperature does not exceed 25°C during application. Ensure no rain is imminent within 24 hours after application. Cooler temperatures will result in longer drying times. It is advisable to apply product to a test area and allow to dry completely before coating entire project to ensure desired colour and appearance.

Caution:

- Do not finish in direct sun or on a hot surface.
- Always maintain a wet edge to avoid lapping.
- Do not apply over sealed surfaces. to determine if the surface is sealed, test the absorbency by sprinkling water on it. If it penetrates quickly the surface is ready to finish. If the water beads or does not penetrate, remover the coating / sealer, or allow to weather 1 to 2 weeks and check absorbency again.
- Use natural breaks as boundaries to divide large areas into smaller, more manageable one's.
- For best results apply 2 coats.
- Always consult with our technical department if you are unsure about anything.
- Refer to product MSDS for health & safety prior to using products
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.

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