



TECHNICAL DATA SHEET

Dök.No: ÜRT-TDS-02
Yay.Tar.: 24.04.2008
Rev. No : REVIZYON-08
Rev.Tar. : 12.06.2023
Sayfa : 1/2

PRODUCT	WINCOPOL WOOD VARNISH (4+1)																				
PRODUCT SYSTEM	MIXING RATIO (by weight)	MIXING RATIO (by volume)	1st COMPONENT	2nd COMPONENT	GLOSS (°60)																
05 MATTE	4+1	4+1	275-0534	249-1042	4-7																
FULL MATTE	4+1	4+1	275-1034	249-1042	8-15																
SPECIAL MATTE	4+1	4+1	275-2034	249-1042	20-30																
SILK MATTE	4+1	4+1	275-3534	249-1042	30-40																
GLOSSY	4+1	4+1	275-8034	249-1042	70-80																
DESCRIPTION	It's a 2 Pack Polyurethane transparent wood joinery varnish with high external strength.																				
APPLICATION FIELDS	It's used in interior or exterior doors, windows, pergolas, wooden garden furniture, boats and other woodwork.																				
PROPERTIES	<p>Wincopol Wood Varnish is a transparent colored varnish system that protects wooden surfaces against mildew by means of sun rays, moisture and other atmospheric effects, adheres very well to wooden surfaces, provides flexible, waterproof wood, provides excellent durability for 3 years (Compliant with TS ISO EN 16474/3 (Does not crack, break, delamination or flake)). However, for full protection, it should be ensured that all layers from the base coat to the top are Wincopol Varnish Series (275-).</p> <p>Also, the bathroom etc. painted wood pieces to be used in humid environments (Cabinet, such as door panels) made of ground Wincopol Primer Paint and varnish application before the application also allows to extend the life of wooden furniture</p>																				
MIXING RATIO	<table><thead><tr><th></th><th></th><th><u>Packing</u></th><th><u>Mixin Ratio</u></th></tr></thead><tbody><tr><td>1st Component</td><td>..... 275- Serie</td><td>12 kg</td><td>..... 4 Part</td></tr><tr><td>2nd Component</td><td>..... 249-1042</td><td>3 kg</td><td>..... 1 Part</td></tr><tr><td>PU Thiner</td><td>..... 921-0222</td><td>.....</td><td>..... 4-5 Part</td></tr></tbody></table> <p>(Indicated amount of thinner should be added to obtained desired properties)</p>							<u>Packing</u>	<u>Mixin Ratio</u>	1st Component 275- Serie	12 kg 4 Part	2nd Component 249-1042	3 kg 1 Part	PU Thiner 921-0222 4-5 Part
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PRODUCT

WINCOPOL WOOD VARNISH (4+1)

PERFORMANCE PROPERTIES

Test	Result	Unit / Remarks
Hot Materyal (100°C) Resistance	5	(5:Excellent 0:Worse)
Impact Resistance (250gr & 30cm)	5	(5:Excellent, 0:Worse)
Wapor Resistance (TS EN 438-2)	5	(5:Excellent, 0:Worse)
Scratch REsistance (TS EN 15186)	3	Newton
Bending (90 micron/DTM)	0 mm	(Excellent)
Adhesion (90 micron/DTM)	G10	(Excellent)
Exposure of fluorescent UV lamp (TS EN ISO 16474-3)	see Report	(Excellent)
Salt Water Resistance * (changing in dimention)	0 mm (72 month)	(Excellent)

*: *: test method: A massive cubic wood that all sides (5cm*3cm*8cm) were coated by Wincopol Varnish were hold in closed salted water pool for 72 months, then changing in dimention were checked.

Chemical Resistance (DIN 68861-1.2011-01 // 5:Best, 0:Worst)	Chemical (Exposure Time)	Result
		Water (16 hr)
	Butyl Acetate (2 min)	5
	Ammonia Solution (2 mink)	5
	Disinfectant (10 min)	5
	Cleaning Agent (1 hr)	5
	Tea (16 hr)	5
	Cooffie (16 hr)	5
	Olive Oil (16 hr)	5
	Red Wine (5 hr)	5
	Aceton (2 min)	5
	Ethy Alcohol (1 hr)	5

Not: Std test method (EN 12720) recommends testing after a minimum of 1 week.

APPLICATION METHOD :

First step is to color the surface by stain (The surface should be clean, dust free and sanded). There are three different product options for coloring; 1) Woodex (123-Series), 2) Wood Impregnation Varnish (113-series) and Protect over (135-Series), 3) Aqua-tech water-based wood preservative (013-Series).

The products to be used for coloring are applied by sponge, brush or dipping method. Two to three hours after the application, the wood is finished and the wood surfaces are ready to be applied.

Wincopol Wood Varnish, prepared according to the above mentioned mixing ratios, is applied as 1 - 1,5 cross wise (100-125 g/m2) with pistole for first layer filling.

3 - 4 hours after the application, sanding is done by sanding paper no:220-240. After 1 day, Wincopol Wood Varnish, prepared according to the same mixing ratios, is applied as 2 coats as topcoat varnish (125-150 gr/m2 for per coat).

With 1 kg mixture (not diluted) can be coated 8-9 m2 (except losses)

STORAGE

1st Components will remain stable for at least 12 months and 2nd Components (249-1042) is 6 months when stored in their original packs in a dry place at storage temperatures between 5-35 °C.

It's recommended to read SDS before applications.