



**WIT927 ACQUASOYZ**  
waterbased self-sealer certified for indoor





# WIT927 ACQUASOYZ

## WATERBASED SELF-SEALER CERTIFIED FOR INDOOR

**WIT927 ACQUASOYZ**, is a single/two-component water finish for interiors, dedicated to furniture and kitchens, certified suitable for food contact **UNI EN 1186:2003** and for painting the wooden toy according to the **UNI EN 71-3** standard.

**Performance** and **versatility** are fundamental requirements for WIT927 ACQUASOYZ. Its special formulation, born from the mixing of the latest generation of acrylic resins, makes it perfect for use as a **self-sealer product**, both as a first coat and later as a finish in the interior furniture industry.

Its high transparency and its viscosity make WIT927 ACQUASOYZ, a product of easy application.

WIT927 ACQUASOYZ **can be catalyzed** (at 5% with the catalyst WIH750 CW 7500) **or cross-linked** with 1% of WAD904 ECO VERNILINKER if an increase in the chemical-physical resistance of the product is required.

WIT927 ACQUASOYZ is an excellent **vehicle for lacquered**, maintaining an excellent level of coverage and compatibility with pigments in the coloring phase. Each colour can be easily formulated with the **Vernites EASYTINT** and **WEBTINT system**.

Thanks to its high performance, WIT927 ACQUASOYZ has achieved excellent results regarding the following regulatory tests:

- **in compliance with UNI 11896:2023 1° VOC emission class.**
- **UNI EN 71-3 certification for the painting of the wooden toy.**
- **UNI EN 1186:2003 certification, relating to the suitability of contact with food.**

Attached are the recommended paint cycles, the test reports and the technical data sheets of the transparent version and the pigmented version of WIT927 ACQUASOYZ.

Discover more about our products on [www.vernites.it](http://www.vernites.it)





### Transparent cycle for domestic furniture

Applied product	Application method	Drying (hours)	Thickness (micron)
WIB937 Acquafond Soyz Clear	Spray, airless o airmix	2 - 4	120
WIB937 Acquafond Soyz Clear	Spray, airless o airmix	2 - 4	120
Sand with 280-320			
WIT927 Acquasoyz Clear	Spray, airless o airmix	2 - 4	120

### Transparent cycle for domestic furniture

Applied product	Application method	Drying (hours)	Thickness (micron)
WIT927 Acquasoyz Clear	Spray, airless o airmix	2 - 4	120
WIT927 Acquasoyz Clear	Spray, airless o airmix	2 - 4	120
Sand with 280-320			
WIT927 Acquasoyz Clear	Spray, airless o airmix	2 - 4	120



## Pigmented painting cycle for domestic furniture

Applied product	Application method	Drying (hours)	Thickness (micron)
WIB915.WHT Acquafond Bianco	Spray, airless o airmix	2 - 4	120
WIB915.WHT Acquafond Bianco	Spray, airless o airmix	2 - 4	120
Sand with 280-320			
WIT927.WHT Acquasoyz Lack White	Spray, airless o airmix	2 - 4	120

## Pigmented painting cycle for domestic furniture

Applied product	Application method	Drying (hours)	Thickness (micron)
WIT927.WHT Acquasoyz Lack White	Spray, airless o airmix	2 - 4	120
WIT927.WHT Acquasoyz Lack White	Spray, airless o airmix	2 - 4	120
Sand with 280-320			
WIT927.WHT Acquasoyz Lack White	Spray, airless o airmix	2 - 4	120

**TEST REPORT**  
**345209 / 1**

Revision: 1  
Date of sample receipt: 09/03/23  
Date of test: 11/04/23  
Date of issue: 31/05/23



VERNITES S.R.L.  
VIA DEL LAVORO 12/14  
21015 LONATE POZZOLO (VA)  
ITALIA

Sample name: Wit927.30s.clr  
Acquasoyuz clear g30

**SAMPLE DESCRIPTION**

Type of product. waterborne coating applied on glass  
Sampling performed by: customer  
Production date. batch 0855 production 07/02/2023  
Date and time of unpacking: 11/04/2023 h 12:00

**EXPERIMENTAL CONDITIONS**

Chamber n.	2186-7	Volume	0,11 m <sup>3</sup>
Temperature	23±1°C	Relative humidity	50±5%
Air change rate	0,5/h	Air velocity	0,2±0,1 m/s
Test specimen area	0,11 m <sup>2</sup>	Loading ratio	1,0 m <sup>2</sup> /m <sup>3</sup>

Adsorption material	Tenax TA		
1st Air sampling	14/04/23 h 12:00	Air sampling duration	50 min
Air sampling flow	0,080 l/min	Air volume	4,0 litres
2nd Air sampling	09/05/2023	Air sampling duration	50 min
Air sampling flow	0,080 l/min	Air volume	4,0 litres

Thermal desorber Perkin Elmer Turbomatrix 650  
Gaschromatograph Perkin Elmer Clarus 680 GC  
Mass spectrometer Perkin Elmer SQ8T

LOD (Limit of Detection) = 1 µg/m<sup>3</sup>

LOQ (Limit of Quantification) = 2 µg/m<sup>3</sup>

Quantification: internal standard - Calibration curve at 5 concentrations (linear regression)

This document replaces the previous one with revision number 0 and with date of issue 26/05/23. Applied changes: sample name on customer request; reporting of data (changes are underlined) on customer request.

*This test report is part of a PDF file digitally signed by Franco Bulian.*

The managing director  
Dr. Franco Bulian

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**TEST REPORT**

**345209 / 1 rev. 1**

Date of issue:

31/05/23

Sample name:

Wit927.30s.clr

Acquasoyuz clear g30

**CLIENT**

Vernites Srl

**DATE OF TESTING**

11/04/2023

VOLATILE ORGANIC COMPOUNDS	C. A. S. NUMBER	EMISSION FACTOR ( $\mu\text{g}/\text{m}^3\text{h}$ )		CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )		LCI AgBB - 2021
		dopo 72 ore \$	dopo 28 giorni \$	dopo 72 ore #	dopo 28 giorni #	
"" Acetaldehyde (a) £	75-07-0	< 5	< 5	< 10	< 10	300
"" Formaldehyde (a) £	50-00-0	< 3	< 3	< 5	< 5	100
Acetic Acid (a)	64-19-7	4	< 3	8	< 5	1200
1,2-Propylenglycole n-Butylether (a)	5131-66-8	4	< 3	8	< 5	650
Dipropilenglycole monomethylether (a)	34590-94-8	56	< 3	112	< 5	3100
Nonanal (a)	124-19-6	4	3	8	7	900
Dipropylenglycol n-Butylether (a)	29911-28-2	96	< 3	192	< 5	250
1,4-Diisobutyl-1,4-dimethylbutyndiol (b)	8043-35-4	6	6	12	12	/

Volatile carcinogens (1A e 1B)

Reference compound sum

Specific TVOC

Specific TSVOC

R

< 1	< 1
329	7
341	19
< 5	< 5
	0,01

**LEGENDA:**

# duplicate testing

\$ calculated value

"" method with Dinitrophenylhydrazine and HPLC according to ISO 16000-3:2022

(a) composti di riferimento

(b) composti non di riferimento quantificati come toluene

(c) composti non identificati quantificati come toluene

£ VVOC

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The managing director  
Dr. Franco Bulian

**TEST REPORT**

Date of issue:

Sample name:

**345209 / 1 rev. 1**

31/05/23

Wit927.30s.clr

Acquasoyuz clear g30

**DITTA**

Vernites Srl

**DATA DELLA PROVA**

11/04/2023

VOLATILE ORGANIC COMPOUNDS	C. A. S. NUMBER	CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )	
		dopo 72 ore #	dopo 28 giorni #
Acetic Acid (a)	64-19-7	7	< 5
1,2-Propylenglycole n-Butylether (a)	5131-66-8	5	< 5
Dipropilenglycole monomethylether (a)	34590-94-8	67	< 5
Nonanal (a)	124-19-6	8	7
Dipropylenglycol n-Butylether (a)	29911-28-2	203	< 5
<u>1,4-Diisobutyl-1,4-dimethylbutyndiol (b)</u>	8043-35-4	12	12
TVOC Toluene equivalents		<b>302</b>	<b>19</b>
TSVOC Toluene equivalents		<b>&lt; 5</b>	<b>&lt; 5</b>

LEGENDA:

# prova in doppio

\$ valore calcolato

(a) composti di riferimento

(b) composti non di riferimento quantificati come toluene

(c) composti non identificati quantificati come toluene

NOTE: Ammonia parameter not determined

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Dr. Franco Bulian



## DICHIARAZIONE DI CONFORMITÀ

### Dichiarazione n° 345209/2\_2023

Valutati i risultati ottenuti nelle prove di Emissione di Sostanze Organiche Volatili eseguite secondo la norma EN16516:2017+A1:2020+ISO16000-6:2011 protocollo CATAS 345209/1 del 31/05/2023 dichiariamo che il campione ricevuto dalla ditta:

VERNITES S.R.L. - Lonate Pozzolo (VA) Italy

e denominato:

WIT927 Acquasoyz clear G30

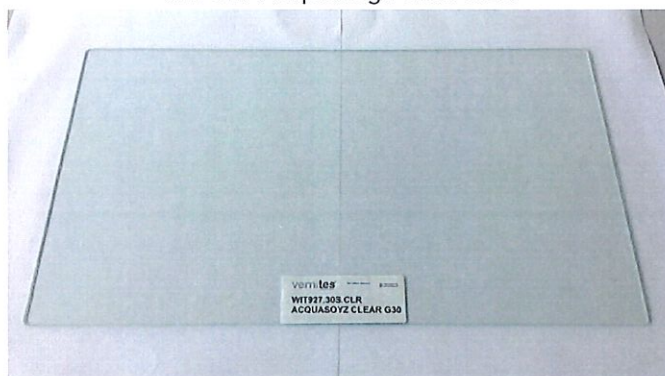


Immagine del campione sottoposto a prova

risulta conforme alla 1ª Classe di Emissione come specificato al punto 7 della norma  
UNI 11896:2023

(Classificazione dei materiali con cui sono realizzati i mobili in relazione alla loro emissione di sostanze organiche volatili)



13/06/2023

Il Direttore dott. Franco Bulian



La denominazione del campione è quella dichiarata dalla ditta richiedente. Questa dichiarazione riguarda il campione sottoposto a prova e solo esso. Aggiunte, cancellazioni o alterazioni non sono ammesse.







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CHEMICAL GROUP





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lab@catas.com

**TEST REPORT****234291 / 1 del 29/06/17**

Date received: 01/06/17  
Date of test: 28/06/17  
Date of issue: 29/06/17  
Sample name: Acquasoyz

VERNITES S.R.L.  
VIA DEL LAVORO 12/14  
21015 LONATE POZZOLO (VA)  
ITALIA

**Migration of certain elements EN 71-3:2013****Sample:**

Liquid sample

**Analytical methods:**

Inductively coupled plasma optical/mass spectrometry ICP-AES and GC-MS

Soluble element	Units	CONCENTRATION
Antimony	mg/kg	< 0,5
Alluminium	mg/kg	< 5
Arsenic	mg/kg	< 0,05
Barium	mg/kg	< 10
Boron	mg/kg	< 5
Cadmium	mg/kg	< 0,5
Tot. Chromium	mg/kg	< 0,1
Chromium (VI)*	mg/kg	< 0,1
Cobalt	mg/kg	< 0,5
Copper	mg/kg	< 5
Lead	mg/kg	< 5
Manganese	mg/kg	< 5
Mercury	mg/kg	< 0,05
Nickel	mg/kg	< 5
Selenium	mg/kg	< 0,5
Strontium	mg/kg	< 5
Zinc	mg/kg	< 5
Tot. Organic Tin **	mg/kg	< 1

**RESULTS:**

Tested sample complies with requirements of EN 71-3 Category III standard.

\*The value of Total Chromium is under the LOD; \*\* Total Tin determination

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Managing Director  
Dr. Andrea Givon

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## WIT927 AND FOOD CERTIFICATIONS: QUALITY AND VERSATILITY IN THE KITCHEN AND NOT ONLY

After numerous studies and researches carried out in the development of water-based paint products for the food industry, Vernites has obtained the certification of several products, both one-component and catalyzed. Specifically, we analyze the performance of the one-component product WIT927 Acquasoyz, a finish that represents the highest level of versatility of the Vernites interior products, and which has obtained the UNI EN 1186:2003 certification of suitability for food contact, in addition to the certifications related to its quality and safety (UNI EN-71).

This important goal allows the sales network to offer a line of certified and guaranteed products in a rapidly rising sector such as painting in the food sector.

The objectives that the company had set itself required a careful analysis of the current legislation in

national and European level, a thorough knowledge of the technical legislation and a

study of the most suitable paint products. It was therefore necessary to:

- 1) to establish what the basic documentation was to be used as a guideline;
- 2) to determine to which performance tests the paint film applied to the specimens should be subjected and at what temperature;
- 3) to determine the type of product that could be used by the customer.

As for the first point, there are numerous Ministerial Decrees regulating the matter, Vernites was based on the DM 21/3/1973, normative of the painting of different supports (plastic, wood, etc.). With regard to the second point, the certification provides for 4 tests, each of which indicates the tendency of the painted support to release dangerous substances if a food product is placed on the painted surface.

These last are divided into eight categories (fruit, bread, cocoa etc.).

Vernites carried out all four tests at 40 °C (cold contact with substances) and only test D at 70 °C (hot contact with the most aggressive reagent liquid: 95 % ethyl alcohol), as indicated in Table 1.

Finally, regarding the third point, it was decided, given the excellent results obtained with the two-component products, to focus on a one-component finish with high level of quality, WIT927 Acquasoyz.

The results were very satisfactory, so that the product could be used for almost all types of food.

The tests consist in the application on painted slides of reagent liquids, which simulate the chemical aggressions that the food undergoes on the planes on which they are placed: must be applied to the glass the same amount of paint that the customer will use in his work cycle.

We will then wait about 28 days and then we can start the tests, carried out at 40 °C to simulate room temperature and at 70 °C to simulate the contact of hot food (pizza, coffee, etc.).

The test, performed with appropriate machinery, is repeated three times and the expressed data is calculated as an arithmetic mean of the three determinations. The lower this value, the fewer substances are clearly released by the paint at the moment of contact with the simulant liquid.

This test measures the resistance to non-continuous contact, while for prolonged contact (for example in a painted jar containing a food) different tests are necessary and mandatory.

Remember that the extraction limit not to be exceeded is 8 mg/dm<sup>2</sup> and the presence of an X on the food substance means that you have to divide at least by that value, whereas if X/2 or X/3 or X/5 is found, the test value should be divided by that coefficient and the expressed value should be less than 8 mg/dm<sup>2</sup>. For example in point 6.01 of the tab. 2, WIT927 Acquasoyz has an extraction value from liquid A of less than 8 mg/dm<sup>2</sup>, while from liquid D the value divided by 3 is less than 8 mg/dm<sup>2</sup>, so it perfectly meets the required values.

All values for the various substances are given in Table 2.



**TABLE 1. Overall migration limit reagent liquids UNI EN 1186-5**

	Reagent liquid
<b>A</b>	Distilled water
<b>B</b>	Ethyl alcohol 10%
<b>C</b>	Acetic acid 3%
<b>D</b>	Ethyl alcohol 95%

TABLE 2. Food products

			Simulants			
Reference number	Food products	WIT927 ACQUASOYZ	A	B	C	D
01	Drinks					
01.01	Non alcoholic drink or with alcohol percentage lower than 5%: water, siders, fruit or veggie juices, concentrates, must, lemonades, sodas, syrups, bitter, veggie infusions, coffee, tea, liquid chocolate, beers etc.	ok	x	x		
01.02	Alcoholic drink equal or higher than 5%: drinks included in point 01.01 but with alcohol volume higher than 5%: wines, liquors, spirits	ok		x	x	
01.03	Others: non denatured ethyl alcohol	ok		x	x	
02	Cereals, cereals derivatives, biscuits, bread and pastries					
02.01	Starch and potato starch	ok				
02.02	Raw cereals (including popcorn and corn flakes)	ok				
02.03	Flour, bran and seed corn	ok				
02.04	Pasta	ok				
02.05	Dry biscuits, bread and pastries					
	A. Fat on the surface	ok				x/5
	B. Others	ok				
02.06	Fresh pastry goods and cakes					
	A. Fat on the surface	ok				x/5
	B. Other	ok	x			
03	chocolate, sugar and derivatives, sweets					
03.01	Chocolate, chocolate coated products, substitutes and substitute coated products	ok				x/5
03.02	Sweets					
	A. Solid form					
	I. Fat on the surface	ok				x/5
	II. Others	ok				
	B. In pastry form					
	I. Fat on the surface	ok			x/3	
	II. Moist	ok	x			





			Simulants			
Reference number	Food products	WIT927 ACQUASOYZ	A	B	C	D
03.03	Sugar and sugar products					
	A. Solid form	ok				
	B. Honey and similar	ok	x			
	C. Molasses and sugar syrups	ok	x			

<b>04</b>	<b>Fruit, veggies and derivates</b>					
<b>04.01</b>	Whole fruit, fresh or refrigerated	ok				
<b>04.02</b>	Processed fruit					
	<b>A.</b> Dried fruit, dehydrated fruit; whole or powdered and flour form	ok				
	<b>B.</b> Fruit in pieces or mashed	ok	x	x		
	<b>C.</b> Canned fruit	ok				
	<b>I.</b> In aqueous medium	ok	x	x		
	<b>II.</b> In oily medium	<b>no</b>	x	x		<b>x</b>
	<b>III.</b> In alcoholic medium (>5% vol)	ok		x	x	



<b>04.03</b>	<b>Nuts</b>					
	<b>A.</b> Shelled, dry	ok				
	<b>B.</b> Shelled and toasted	ok				x/5
	<b>C.</b> In form of paste or creamy	ok	x			x/3
<b>04.04</b>	Whole vegetables, fresh or refrigerated	ok				
<b>04.05</b>	Processed vegetables					
	<b>A.</b> Dried, dehydrated; whole, powder and flour form	ok				
	<b>B.</b> In pieces or mashed	ok	x	x		
	<b>C.</b> Preserved vegetables					
	<b>I.</b> In aqueous medium	ok	x	x		
	<b>II.</b> In oily medium	<b>no</b>	x	x		<b>x</b>
	<b>III.</b> In alcoholic medium (>5% vol)	ok		x	x	



			Simulants			
Reference number	Food products	WIT927 ACQUASOYZ	A	B	C	D
05	Fat and oil					
05.01	Animal and vegetable oil and fat, natural or processed (including cocoa butter, melted butter and lard)	no				x
05.02	Margarine, butter and other fats made by water emulsions in oil	no				x/2

<b>06</b>	<b>Animal products and eggs</b>					
<b>06.01</b>	Fish					
	<b>A.</b> Fresh, refrigerated, under salt or smoked	ok	x			x/3
	<b>B.</b> Paste	ok	x			x/3
<b>06.02</b>	Shellfish (including oysters, mussels and snails) without shell	ok	x			
<b>06.03</b>	Meat					
	<b>A.</b> Fresh, refrigerated, under salt, smoked	ok	x			x/4
	<b>B.</b> Paste	ok	x			x/4
<b>06.04</b>	Processed meat products (prosciutto, salami, pancetta, other)	ok	x			x/4
<b>06.05</b>	Preserved meat or fish					
	<b>A.</b> In aqueous medium	ok	x	x		
	<b>B.</b> In oily medium	<b>no</b>	x	x		<b>x</b>
<b>06.06</b>	Eggs without shells					
	<b>A.</b> Powder or dry	ok				
	<b>B.</b> Other	ok				
<b>06.07</b>	Egg yolk					
	<b>A.</b> Liquid	ok	x			
	<b>B.</b> Powder or frozen	ok				
<b>06.08</b>	Dried egg white	ok				





			Simulants			
Reference number	Food products	WIT927 ACQUASOYZ	A	B	C	D
07	Dairy products					
07.01	Milk					
	A. Full	ok	x			
	B. Partly dehydrated milk	ok	x			
	C. Skimmed or semi skimmed milk	ok	x			
	D. Dehydrated milk	ok	x			
07.02	Fermented milk like yogurt, with fruit and served products	ok		x		
07.03	Cream and sour cream	ok	x	x		
07.04	Cheese					
	A. Whole or with crust	ok				
	B. Melted	ok	x	x		
	C. Others	ok	x	x		x/3
07.05	Rennet					
	A. Liquid or paste	ok	x	x		
	B Powder or dry	ok				
08	Other products					
08.01	Vinegar	ok		x		
08.02	Fried or roasted products					
	A. Fries and similars	ok			x/5	
	B. Animal origins	ok			x/4	
08.03	Soups or broth and ready meals					
	A. Powder or dry					
	I. With fat on surface	ok			x/5	
	II. Others	ok				
	B. Liquid or paste					
	I. With fat on surface	ok	x	x		x/3
	II. Others	ok	x	x		
08.04	Yeast and fermenting substances					
	A. In pasta	ok	x	x		
	B. Dry	ok				

Reference number	Food products	WIT927 ACQUASOYZ	Simulants			
			A	B	C	D
08.05	Salt					
08.06	Sauces					
	A. Without fat on surface	ok	x	x		
	B. Mayonnaise and derivates, salad cream and emulsified sauces	ok	x	x		x/3
	C. Sauces with oil and water on two layers	ok	x	x		x/3
08.07	Mustard (with the exception of the powdered ones - see 08.17)	ok	x	x		x/3
08.08	Tarts, Sandwiches, toasts and similar					
	A. With fat on surface	ok				x/5
	B. Others	ok				
08.09	Ice cream	ok	x			
08.10	Dried products					
	A. With fat on surface	ok				x/5
	B. Others	ok				
08.11	Frozen products	ok				
08.12	Hydroalcoholica concentrated exctrats = or >5% vol	ok		x	x	
08.13	Cocoa					
	A. Powdered cocoa	ok				x/5
	B. Paste cocoa	ok				x/3
08.14	Coffee powdered or in grain	ok				
08.15	Liquid coffee extract	ok	x			
08.16	Aromatic plants	ok				
08.17	Spices and natural flavours	ok				









TEST REPORT

178708 / 1

Date received: 20/06/14  
Date of test: 24/06/14  
Date of issue: 30/06/14

VERNITES S.R.L.  
VIA DEL LAVORO 12/14  
21015 LONATE POZZOLO (VA)  
ITALIA

Sample name: WIT 927 - ACQUASOYZ CLEAR

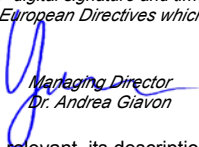
**Materials in contact with foodstuffs. Overall migration UNI EN 1186:2003**

Test Method	UNI EN 1186-5	
Specimen surface	dm2	1,00
Food simulant	distilled water	
Test conditions	2 hours at 40°C	

**Test results**

Nr.	Overall migration	
1	mg/dm2	1,8
2	mg/dm2	1,8
3	mg/dm2	1,8
Mean	mg/dm2	1,8

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Managing Director  
Dr. Andrea Giavon

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TEST REPORT

178708 / 2

Date received: 20/06/14

Date of test: 24/06/14

Date of issue: 30/06/14

Sample name: WIT 927 - ACQUASOYZ CLEAR

VERNITES S.R.L.  
VIA DEL LAVORO 12/14  
21015 LONATE POZZOLO (VA)  
ITALIA


**Materials in contact with foodstuffs. Overall migration UNI EN 1186:2003**

Test Method	UNI EN 1186-5	
Specimen surface	dm2	1,00
Food simulant	Ethanol 10% (V/V)	
Test conditions	2 hours at 40°C	

**Test results**

Nr.	Overall migration	
1	mg/dm2	2,8
2	mg/dm2	2,9
3	mg/dm2	2,9
Mean	mg/dm2	<b>2,9</b>

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Managing Director  
Dr. Andrea Giavon

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TEST REPORT

178708 / 3

Date received: 20/06/14  
Date of test: 25/06/14  
Date of issue: 30/06/14

VERNITES S.R.L.  
VIA DEL LAVORO 12/14  
21015 LONATE POZZOLO (VA)  
ITALIA

Sample name: WIT 927 - ACQUASOYZ CLEAR

**Materials in contact with foodstuffs. Overall migration UNI EN 1186:2003**

Test Method	UNI EN 1186-5
Specimen surface	dm2 1,00
Food simulant	Acetic acid 3% (m/V)
Test conditions	2 hours at 40°C

**Test results**

Nr.	Overall migration	
1	mg/dm2	3,8
2	mg/dm2	3,5
3	mg/dm2	3,6
Mean	mg/dm2	<b>3,6</b>

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*Managing Director*  
*Dr. Andrea Giavon*

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TEST REPORT

178708 / 4

Date received: 20/06/14

Date of test: 26/06/14

Date of issue: 30/06/14

Sample name: WIT 927 - ACQUASOYZ CLEAR

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21015 LONATE POZZOLO (VA)  
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**Materials in contact with foodstuffs. Overall migration UNI EN 1186:2003**

Test method	UNI EN 1186
Specimen surface	dm2 1,00
Test conditions	isooctane: 2 hours at 40°C ethanol 95%: 2 hours at 40°C

**Risultati della prova**

N °	Overall migration		
		Isooctane	Ethanol al 95%
1	mg/dm2	9,8	19,2
2	mg/dm2	9,9	21,3
3	mg/dm2	9,9	20,6
Mean	mg/dm2	9,9	20,4

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## ACQUASOYZ CLEAR

WIT927.XXS.CLR

Waterborne Clear Topcoat / Self-sealer – Waterborne Conversion Varnish (Mono/Bi-component)

### Main product characteristics

Typical Proprieties :	Fast drying	High transparency	Good touch feeling
Recommended use for :	Furniture	Wood panels	Doors
Applications Method:	By conventional Spray gun	Air less	Air-mix
Main purpose:	It is also a self-sealer used in industrial and handcraft coating cycles for indoors. Easy to use, fast drying, good chemical and physical features.		
Preparation product:	Ready to use. If dilution is necessary, add warm water up to 5%. In order to increase mechanical and chemical resistance, add <b>CW7500</b> hardener at 5%. Then, mix very well using a mechanical stirrer.		

### Gloss levels available

5 gloss	15 gloss	30 gloss	50 gloss	100 gloss
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### Chemical – Physical characteristics (20 °C)

Solid Content (%)	29 ± 1	Vertical Hold (µm wet)	120
Specific Gravity (g/cm³)	1,04 ± 0,02	Recommended N° of coats	2
Viscosity DIN 6 (sec)	40 - 50	Recommended quantity per coat (gr/m²)	min: 100 max: 140
Viscosity Brookfield (cps)	1500 - 2000	Metric yield (m² / kg)	4 - 6

### Application Properties

### General information

Dry at 20°C and UR% between 45 - 65: 100 g/m²		Dry in tunnel: 100 g/m²		
Dust free	15 minutes		Temperature	Time
Handling	30 minutes	Flash Off	30 °C	10 minutes
Overcoat	-	Laminar Air	45 °C	30 minutes
Stackable	8 -10hours	Cooling	20 °C	10 minutes
		Stackable	At Tunnel exit	

### Substrate Preparation

Best results are obtained with the pre-application of sealers like **ACQUAFOND HRS CLEAR** or **ACQUAFOND SOYZ CLEAR** (cheaper option). Therefore, proceed, as follows: sand the sealer/s using sandpaper grits 280 -320. Then, apply ACQUASOYZ topcoat which can be applied on waterborne sealers, only.

### Application Instructions

To obtain the best results is necessary to use the right equipment in order to better atomize the product without diluting it with water. Here following some suggestions for spraying applications ;

Use	Dilution %	Nozzle / mm	Press. Air / bar	Press. Vanish / bar
Conventional spray gun	10 - 20	2 - 2,5	3 - 4	--
Air mix	--	09 - 11	1 - 2	80 - 110
Air less	--	09 - 11	--	120 - 150

The use of pre-atomizers ensures a correct application regardless the room temperature. The drying process should be carried out in environments with adequate air ventilation (the recycle of air in the drying room should be carried out every 15-20 minutes)

### Note and remarks

- Mix the product before use.
- The shelf life is 12 months if the products are stored in an environment with temperature between 5 - 35°C.
- The product application on substrate must be done in an environment with no less than 12°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, the special detergent **HYDROCLEANER** should be used, letting it work overnight and then cleaning with water.

### Additives:

Problems / Requirements	Solutions	Quantity to be used	
		%	Grams per 20 kg
Craters/Cissing caused by environment contamination	Soluzione Antischivante	0.5 max.	100 gr.
How to increase the chemical-mechanical resistance	Eco Vernilinker	1 - 2 max.	200 - 400 gr.
How to increase the verticality	Soluzione Addensante	2 - 5 max	400 - 1000 gr.



## ACQUASOYZ LACK BIANCO

WIT927.XXS.WHT

Waterborne Pigmented Topcoat Mono / Bi component white

### Main product characteristics

<b>Typical Proprieties :</b>	Fast drying	Good verticality	Good hardness
<b>Recommended use for :</b>	Furniture	Panels	chairs
<b>Applications Method:</b>	By conventional Spray gun	Air less	Air mix
<b>Main Purpose :</b>	The Acquasoyz Lack bianco is used for indoor cycles for hardwoods and softwoods is suitable for doors, furniture, panels and etc.		
<b>Preparation product:</b>	<b>To be applied on WB primer:</b> Ready to use. If dilution is necessary, add warm water up to 5%. In order to increase mechanical and chemical resistance, add <b>CW7500</b> hardener at 5%. Then, mix very well using a mechanical stirrer.		

### Gloss levels available

5 gloss	15 gloss	30 gloss	50 gloss	100 gloss
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### Chemical – Physical characteristics (20 °C)

Solid Content (%)	37 ± 1	Vertical Hold (µm wet)	120
Specific Gravity (g/cm³)	1,14 ± 0,020	Recommended N° of coats	1 - 2
Viscosity Brookfield (cps)	1500 - 2000	Recommended quantity per coat (gr/m²)	min: 100 max: 140
Viscosity DIN 6 (sec)	40 - 50	Metric yield (m²/kg)	4 - 6

### Application Properties

Dry at 20°C and UR% between 45 - 65: 100 g/m²		Dry in tunnel: 100 g/m²	
Dust free	15 minutes	Temperature	Time
Handling	40 min	Flash Off	30 °C
Overcoat	1 - 3 hours	Laminar Air	45 °C
Stackable	8 -10 hours	Cooling	20 °C
		Stackable	At Tunnel exit

### Substrate Preparation

**Wood treated with white primer:** Sand the primer(WBPC White Primer) using sandpaper 320 - 400. The Acquasoyz Lack Bianco is suitable for waterborne basecoat . Is not recommended the application on Nitrocellulose and polyurethane basecoat.

### Application Instructions

To obtain the best results is necessary to use the right equipment in order to better atomize the product without diluting it with water. Here following some suggestions for spraying applications ;

Use	Dilution %	Nozzle / mm	Press. Air / bar	Press. Vanish / bar
Conventional spray gun	10 -20	2 - 2,5	3 - 4	--
Air mix	--	09 - 11	1 - 2	80 -110
Air less	--	09 - 11	--	120 -150

The use of pre-atomizers and pre-heaters, to bring the temperature to 30 – 40 °C, ensures a correct application regardless the room temperature. The drying process should be carried out in environments with adequate air ventilation (the recycle of air in the drying room should be carried out every 15-20 minutes)

### Note and remarks

- Mix the product before use.
- The shelf life is 12 months if the products are stored in an environment with temperature between 5 - 35°C.
- The product application on substrate must be done in an environment with no less than 12°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after use. When dry films must be removed, the special detergent **HYDROCLEANER** should be used, letting it work overnight and then cleaning with water.

### Additives

Problems / Requirements	Solutions	Quantity to be used	
		%	Grams per 20 kg
Craters/Cissing caused by environment contamination	Soluzione Antischivante	0.5 max.	100 gr.
How to increase the chemical-mechanical resistance	EcoVernilinker	1 - 2 max.	200 - 540 gr.
How to increase the verticality	Soluzione Addensante	2 - 5 max	400 -1000 gr.
How to slow down the drying process	WB Retarder	5 - 20 max	1000 - 4000 gr.



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