

# WIT962 ACQUAFLOOR RESIDENTIAL

waterbased topcoat certified for parquet





# WIT962 ACQUAFLOOR RESIDENTIAL

## WATERBASED TOPCOAT CERTIFIED FOR PARQUET

**WIT962 ACQUAFLOOR RESIDENTIAL**, is a water-based topcoat for interiors, developed for the painting of flat surfaces such as parquet and wooden floors, with high traffic resistance certification.

WIT962 ACQUAFLOOR RESIDENTIAL, **can be catalyzed to 10%**, with **WIH790 CW 7900**, an ideal hardener to develop the performance of the topcoat.

Thanks to its high performance, WIT962 ACQUAFLOOR RESIDENTIAL has achieved excellent results regarding the following regulatory tests:

- **UNI 11622:2016 class reached appendix D, high traffic resistance.**
- **UNI 15186:2012 on scratch resistance.**
- **UNI 15185 on abrasion resistance.**
- **UNI 9429 relating to resistance to temperature changes.**
- **UNI 9300 on dirt retention.**
- **UNI 13442 on chemical resistance.**
- **UNI EN ISO 2808 for dry thickness.**
- **UNI EN ISO 2409 on accession.**
- **Certification UNI 11622:2016 related to the painting of wooden floors.**
- **Certification UNI EN 71-3 for painting the wooden toy.**

The tests passed and the certifications obtained have as reference the two-handed **Cycle Certificate** with first coat of primer carried out with the product WIT962 ACQUAFLOOR RESIDENTIAL G 10 (cat. 10% with WIH790 CW 7900) and subsequent finishing coat with the product WIT962 ACQUAFLOOR RESIDENTIAL G 10.

Attached are the recommended paint cycles, all the test reports and the technical data sheets of the WIT962 ACQUAFLOOR RESIDENTIAL Certified Cycle.

Scopri altro sui nostri prodotti su [www.vernites.it](http://www.vernites.it)



UNI 11622-1 D CLASS





### One-component painting cycle for parquet

Applied product	Application method	Drying (hours)	Thickness (micron)
WIT962 Acquaflor Residential Clear	By roller, brush or spray	3 - 5	100 - 120
WIT962 Acquaflor Residential Clear	By roller, brush or spray	3 - 5	100 - 120
Sanding with 180-220			
WIT962 Acquaflor Residential Clear	By roller, brush or spray	3 - 5	100 - 120

### Two-component certified painting cycle for parquet



UNI 11622-1 D CLASS

Applied product	Application method	Drying (hours)	Thickness (micron)
WIT962 Acquaflor Residential Clear Cat. CW7900 10%	By roller, brush or spray	3 - 5	100 - 120
Sanding with 180-220			
WIT962 Acquaflor Residential Clear Cat. CW7900 10%	By roller, brush or spray	3 - 5	100 - 120



**TEST REPORT**

**346359 / 1**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 14/04/23  
Date of issue: 19/05/23

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

Sample name: WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900 sended with sand paper 280.  
WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900.

**Thickness measurement of coatings ISO 2808:2019**

Method 6A version 2 - By cutting

Apparatus: Stereoscopic microscope Leica mod. M205C

10x eyepieces

1x lens

6,3x zoom

Illuminance with LED

Test results:

Specimen	Thickness (µm)
1	113
2	114
3	116
4	110
5	116
6	107
7	122
8	135
<b>Average</b>	<b>117</b>
Extended uncertainty	9

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*The managing director*  
*Dr. Franco Bulian*

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**TEST REPORT**

**346359 / 2**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 15/05/23  
Date of issue: 19/05/23

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

Sample name: WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900 sented with sand paper 280.  
WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900.

**Resistance of paints and varnishes to detachment (cross-cut test) UNI EN ISO  
2409:2020**

Sample preparation and conditioning: done by the customer.

Tool: hand-held single-blade cutting tool and adhesive tape in accordance with IEC 60454-2.

Removal: by adhesive tape in accordance with IEC 60454-2:1994.

Evaluation: visual.

Film thickness (measurement according to ISO 2808 6A vers. 2 method\*):  $117 \pm 9 \mu\text{m}$ .

**Test results:**

Spacing between cuts	Classification 1st zone	Classification 2nd zone	Classification 3rd zone	Coating thickness
2 mm	0	0	0	from 61 to 120 $\mu\text{m}$ soft/hard support
3 mm	0	0	0	from 121 to 250 $\mu\text{m}$ soft/hard support

**Classification:**

- |   |                                  |
|---|----------------------------------|
| 0 | no coating detached              |
| 1 | less than 5% of coating detached |
| 2 | 5-15% of coating detached        |
| 3 | 15-35% of coating detached       |
| 4 | 35-65% of coating detached       |
| 5 | over 65% of coating detached     |

**Notes:**

- Chemical analysis of the tested material was not carried out.

- Conditioning period: from 04/04/2023 to 15/05/2023.

\* Method not covered by accreditation.

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**TEST REPORT**

**346359 / 3**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 12/05/23  
Date of issue: 19/05/23

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

Sample name: WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900 sented with sand paper 280.  
WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900.

**Cold-check test for surface finishes UNI 9429:2022**

Method used: Met. B

Test apparatus: Climatic chamber Weiss WK3

Number of specimen exposed: 1

Test results:

	Evaluations	
	0 cycles	15 cycles
Cracking	0	0
Whitening	not determined	not determined

Classification of the results:

Index	Cracking	Whitening
0	No cracking	No whitening
1	Cracking visible only with lens 4 x	Slight whitening
2	Cracking clearly visible	Strong whitening

Notes:

- Conditioning period: from 04/04/2023 to 12/05/2023.

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**TEST REPORT**

**346359 / 4**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 17/05/23  
Date of issue: 22/05/23

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

Sample name: WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900 send with sand paper 280.  
WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900.

**Resistance to abrasion UNI EN 15185:2011/EC1:2011**

Test apparatus: Taber mod. 5151  
Abrasive paper strips: Taber S-42 batch n. 83471  
Mean wheel hardness: 65 ± 3 Shore A  
Correction factor: 0,91  
Surface type: transparent coating

**Test results:**

Initial Wear Point  
(rev. nr.)

320

**Notes:**

- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 04/04/2023 to 17/05/2023.

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**TEST REPORT**

**346359 / 5**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 22/05/23  
Date of issue: 22/05/23

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

Sample name: WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900 sented with sand paper 280.  
WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900.

**Tendency to retain dirt UNI 9300:2020**

Type of surface: smooth surface

Soiling agent used: carbon black

Test area	Rating scale	Remarks
1	4	Slight halo visible from only one angle of observation.
2	4	Slight halo visible from only one angle of observation.
<b>Test results:</b>	4	Slight halo visible from only one angle of observation.

*Rating scale for the evaluation of results:*

Rating scale	Remarks
5	No visible change.
4	Barely visible dots or slight change of gloss visible from only one angle of observation.
3	Clearly visible dots or slight change of gloss visible from several angles of observation.
2	Strong mark or clearly visible dots extended to the whole tested area.
1	Strong mark extended to the whole tested area.

Notes:

- Conditioning period: from 04/04/2023 to 22/05/2023.

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**TEST REPORT**

**346359 / 6**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 16/05/23  
Date of issue: 22/05/23

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

Sample name: WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900 sended with sand paper 280.  
WIT962 Acquafloor Residential clear G10 + 10% Hardener CW7900.

**Surface resistance to scratching UNI EN 15186:2012, met. B**

Apparatus: Taber mod. 502

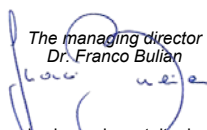
Test results:

Load N
0,8

Notes:

- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 04/04/2023 to 16/05/2023.

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**TEST REPORT**

**346359 / 7**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 15/05/23  
Date of issue: 22/05/23

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

Sample name: WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900 send with sand paper 280.  
WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900.

**Wood flooring, wood panelling and cladding. Determination of the resistance to chemical agents EN 13442:2013**

Test procedure:

Staining agents and the contact time are according to UNI 11622-1:2016 standard.

Staining agents	Contact time					
	16 ore	6 ore	1 ora	10 min	2 min	10 sec
Water	5	/	-	-	-	-
Acetic acid (sol. 5%)	-	-	4	-	4	-
Cleansing agent	5	-	/	-	-	-
Acetone	-	-	-	-	-	4
Ethanol (sol. 50 %)	-	-	3	-	4	-
Paraffin oil	-	-	5	-	-	-
Coffee	-	-	4	-	/	-
Ammonia (sol. 10%)	-	-	4	5	/	-

Evaluations:

/	not necessary
-	not required by the UNI 11622-1 standard

5 = no change

4 = minor change  
(only visible under reflected light)

3 = moderate change  
(visible from several viewing directions)

2 = significant change in colour or gloss,  
slight change of structure

1 = strong change

Notes:

- Chemical analysis of the tested material has not been carried out.
- The evaluation was performed with the diffused light source.

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**TEST REPORT**

**346359 / 8**

Revision: 0  
Date of sample receipt: 04/04/23  
Date of test: 11/05/23  
Date of issue: 22/05/23

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

Sample name: WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900 send with sand paper 280.  
WIT962 Acquaflor Residential clear G10 + 10% Hardener CW7900.

**Indoor wood and/or wood based flooring. Minimum requirements for coating cycles  
UNI 11622-1:2016**

**Table 1**

Minimum requirements

Test	Reference	Unit of measurement	Heavy duty	Moderate duty	Light duty	Value obtained
Dry film thickness	UNI EN ISO 2808	micron	Measured value			117 ± 9
Resistance to scratching	UNI EN 15186, met. B	N	0,8	0,6	0,4	0,8
Resistance to temperature changes	UNI 9429	Craking index	0	0	0	0
Adesion	UNI EN ISO 2409	ISO Scale	≤ 1	≤ 2	≤ 2	0
Abrasion resistance	UNI EN 15185	Cycles (I.P.)	100	75	50	320
Tendency to retain dirt	UNI 9300	Rating	4	4	4	4

**Table 2**

Test	Reference	Substance	Heavy duty	Moderate duty	Light duty	Value obtained
Determination of the resistance to chemical agents	UNI EN 13442		Minimum evaluation (contact time)			
		Water	4 (16 h)	4 (16 h)	4 (6 h)	5 (16 h)
		Acetic acid (sol. 5%)	4 (1 h)	4 (1 h)	4 (2 min)	4 (1 h)
		Cleansing agent	4 (16 h)	4 (1 h)	4 (1 h)	5 (16 h)
		Acetone	4 (10 s)	-	-	4 (10 s)
		Ethanol (sol. 50 %)	4 (1 h)	4 (2 min)	4 (2 min)	3 (1 h)
		Paraffin oil	4 (1 h)	4 (1 h)	4 (1 h)	5 (1 h)
		Coffee	4 (1 h)	4 (1 h)	4 (2 min)	4 (1 h)
		Ammonia (sol. 10%)	4 (1 h)	4 (10 min)	4 (2 min)	4 (1 h)

**CLASS OBTAINED UNI 11622-1 Appendix D**



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## ACQUAFLOOR RESIDENTIAL CLEAR

WIT962.XXS.CLR

Waterborne Transparent Topcoat for timber flooring

### Main product characteristics

Typical Proprieties :	Fast Drying	Certificate high traffic	NMP free
Recommended use for :	Parquetry flooring timber	stairs	tables
Applications Method:	By conventional Spray gun	roller	brush
Main Purpose :	The product is 1K topcoat friendly to be used like a varnish suitable for residential purpose and normal wearing areas of flooring. The film is uniform and reaches in a few days a good chemical and abrasion resistance. The varnish does not turn yellow and maintains natural wood tone.		
Preparation product:	Ready to use; to increase the chemical and physical characteristics it is possible to add, in the last coat, 1-2% of crosslinker (Eco Vernilinker). Possibly catalyze with 10% CW 7900 hardener.		

### Gloss levels available

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

Solid Content (%)	32 ± 2	Vertical Hold (µm wet)	
Specific Gravity (g/cm³)	1,04 ± 0,020	Recommended N° of coats	2 – 3
Viscosity DIN 4 (sec)	20 - 25	Recommended quantity per coat (gr/m²)	min: 80 max: 120
PH	7,5 – 8,5	Metric yield (m²/kg)	12 - 14

### Application Properties

### General information

Dry at 20°C and UR% between 45 - 65: 100 g/m²		Dry in tunnel: 100 g/m²		
Dust free	1 hours		Temperature	Time
Overcoat	2 hours	Flash Off	30 °C	10 minutes
Sanding	4-5 hours	Laminar Air	45 °C	30 minutes
Stepping time	24 hours	Cooling	20 °C	10 minutes

### Substrate Preparation

**Raw woods:** Sand the surface with 150-180 grit sand-paper. Clean well the surface, removing all traces of oil, wax and resin substances. Fill up any crack as well as the joint parts with Acquastucco clear, which must be mixed with the saw dust of the same wood. Apply ACQUAFLOOR RESIDENTIAL CLEAR like a self-sealer, wait for 4-5 hours after first coat. Then, sand with grit 180-220 and apply further 1-2 coats of product with interval of 2 hours between the single coats.

### Application Instructions

To obtain the best results by roller. Diluite with max.10% water.

### 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 Celsius Degrees.
- 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 the use. When needs to remove paint dry films, please, use the special detergent **HYDROCLEANER** or **ACETONE**. Let **HYDROCLEANER** or **ACETONE** work overnight and then clean 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 slow down the drying process	WB retarder	5 - 20 max	1000 - 4000 gr.









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