



UNI 11622-1

## WIT965 ACQUAPUR FLOOR 2K GRAPHITE

Two component interior floor coating



our certifications



## Certified EN 13442 two component interior floor coating system

Product applied	Method of application	Drying (hours)	Thickness (microns)
Acquapur floor 2K Graphite cat. 10% CW 7700	Brush and roller	4 - 8	80 -120
Sanding	Sanding with 280-320 and clean thoroughly		
Acquapur floor 2K Graphite cat. 10% CW 7700	Brush and roller	4 - 8	80 - 120
<b>Optional subsequent hand to achieve “high traffic” resistance</b>			
Sanding	Sanding with 280-320 and clean thoroughly		
Acquapur floor 2K Graphite cat. 10% CW 7700	Brush and roller	4 - 8	80 - 120





## TEST REPORT

**244723 / 9**

Date received: 17/01/18  
Date of test: 23/02/18  
Date of issue: 12/03/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

### 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			41
Resistance to scratching	UNI EN 15186, met. B	N	0,8	0,6	0,4	0,8
Resistance to temperature changes	UNI 9429	Cracking index	0	0	0	0
Adesion	UNI EN ISO 2409	ISO Scale	≤ 1	≤ 2	≤ 2	0
Light fastness	UNI EN 15187	Grey Scale	4	4	4	4/5
Abrasion resistance	UNI EN 15185	Cycles (I.P.)	100	75	50	80
Tendency to retain dirt	UNI 9300	Rating	4	4	4	5

**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)	5 (1 h)
		Cleansing agent	4 (16 h)	4 (1 h)	4 (1 h)	5 (1 h)
		Acetone	4 (10 s)	-	-	5 (10 s)
		Ethanol (sol. 50 %)	4 (1 h)	4 (2 min)	4 (2 min)	4 (1 h)
		Paraffin oil	4 (1 h)	4 (1 h)	4 (1h)	5 (1 h)
		Coffee	4 (1 h)	4 (1 h)	4 (2 min)	5 (1 h)
		Ammonia (sol. 10%)	4 (1 h)	4 (10 min)	4 (2 min)	3 (10 min)*

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



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Managing Director  
Dr. Andrea Giavon

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## TEST REPORT

### 244723 / 1

Date received: 17/01/18  
Date of test: 19/02/18  
Date of issue: 28/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

## Cold-check test UNI 9429:2015

Method used: Met. B

Test apparatus: Climatic chamber Weiss WK3

Number of specimen exposed: 1

Test results:

	Evaluations		
	0 cycles	6 cycles (optional)	15 cycles
Cracking	0	0	0
Orange peel effect	not determined	not determined	not determined
Whitening	not determined	not determined	not determined

Classification of the results:

Index	Cracking	Orange peel effect	Whitening
0	No visible changes.	No orange peel effect	No whitening
1	Cracking visible only with lens 4 x	Slight orange peel effect	Slight whitening
2	Cracking clearly visible	Strong orange peel effect	Strong whitening

Notes:

- conditioning period: from 17/01/2018 to 19/02/2018.

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## TEST REPORT

**244723 / 2**

Date received: 17/01/18  
Date of test: 19/02/18  
Date of issue: 23/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

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

Staining agents	Contact time					
	16 ore	6 ore	1 ora	10 min	2 min	10 sec
Water	5	/	-	-	-	-
Acetic acid (sol. 5%)	-	-	5	-	/	-
Cleansing agent	5	-	/	-	-	-
Acetone	-	-	-	-	-	5
Ethanol (sol. 50 %)	-	-	4	-	4	-
Paraffin oil	-	-	5	-	-	-
Coffee	-	-	5	-	/	-
Ammonia (sol. 10%)	-	-	2	3	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.
- Conditioning period: from 17/01/2018 to 19/02/2018.
- The staining agents and the contact time are according to UNI 11622-1:2016 standard.
- The evaluation has been carried out with the diffused light source.

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## TEST REPORT

### 244723 / 3

Date received: 17/01/18  
Date of test: 27/02/18  
Date of issue: 28/02/18

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

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

## Thickness measurement of coatings EN ISO 2808:2007

Method 6A version 2 - By cutting

Apparatus: Stereoscopic microscope Leica mod. MZ8

10x eyepieces

1x lens

12,5x zoom

Illuminance with LED

Test results:

Specimen	Thickness ( $\mu\text{m}$ )
1	52
2	41
3	37
4	45
5	34
6	32
7	40
8	47
<b>Average</b>	<b>41,0</b>
Extended uncertainty	7,8

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## TEST REPORT

### 244723 / 4

Date received: 17/01/18  
Date of test: 28/02/18  
Date of issue: 28/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

## Cross-cut test UNI EN ISO 2409:2013

Sample preparation and conditioning: done by the customer.

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

Film thickness (measurement according to ISO 2808 6A vers. 2 method):  $41 \pm 8 \mu\text{m}$ .

Test results:

Spacing between cuts	Classification 1st zone	Classification 2nd zone	Classification 3rd zone	Coating thickness
2 mm	0	0	0	from 0 to $60 \mu\text{m}$ soft 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 17/01/2018 to 28/02/2018.

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TEST REPORT

244723 / 5

Date received: 17/01/18  
Date of test: 23/02/18  
Date of issue: 28/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

**Surface resistance to abrasion UNI EN 15185:2011**

Test apparatus: Taber mod. 5151

Abrasive paper strips: Taber S-42 batch n. 73693

Mean wheel hardness: 65 -70 Shore A

Test results:

Initial Wear Point (rev. nr.)	Rating Class according to CEN/TS 16209
80	C

Notes:

- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 17/01/2018 to 23/02/2018.

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## TEST REPORT

### 244723 / 6

Date received: 17/01/18  
Date of test: 23/02/18  
Date of issue: 28/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

## Tendency to retain dirt UNI 9300:2015

Type of surface: smooth surface  
Soiling agent used: carbon black

### Test results:

Rating scale	Remarks
5	No visible change.
5	No visible change.

### Notes:

- Conditioning period: from 17/01/2018 to 23/02/2018.

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## TEST REPORT

### 244723 / 7

Date received: 17/01/18  
Date of test: 26/02/18  
Date of issue: 28/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

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

Apparatus: Taber mod. 502

Test results:

Load N	Rating Class according to CEN/TS 16209
0,8	D

### Notes:

- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 17/01/2018 to 26/02/2018.
- The thickness of the specimen was reduced to allow for proper balancing of the arm of the instrument.

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## TEST REPORT

**244723 / 8**

Date received: 17/01/18  
Date of test: 20/02/18  
Date of issue: 23/02/18

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

Sample name: 1 - Ciclo con isocianato a 2 mani per parquet.  
WIT 965 Acquapur floor 2k graphite G30 con 10% CW 7700.

## Light fastness UNI EN 15187:2007

Apparatus: Atlas C.i. 3000  
Radiation source: Xenon arc lamp  
Irradiance at 420 nm: 1,25 W/mq  
Inner filter: borosilicate  
Outer filter: soda-lime  
Black panel temperature: 55 ± 2 °C  
Irradiance determination system: automatic  
Relative humidity: 50 ± 10%  
Blue wool standard assessment: visual  
N. of observers: 2

### Test results:

Exposure (hours)	Grey scale	Remarks
20	<b>4/5</b>	///

### Light fastness:

Grey scale	Blue wool standard N.
> 4	> 6

### Notes:

- Chemical analysis of the tested material was not carried out.
- Conditioning period: from 17/01/2018 to 20/02/2018.

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