

vernites[®]

CHEMICAL GROUP



EXTERIOR
Outdoor wood coatings



VERNITES OUTDOOR WOOD FINISHES: A RELIABLE CHOICE

Nature is astonishing and plant life is surely amongst the most fascinating living organisms.

The wood that nature supplies to us is a natural and warm material, perfect from all points of view. Consisting of organic material, it experiences a natural degradation over time where the leading causes of such degradation can be attributed to;

- Ultraviolet rays from the sun that break up the wooden structure, causing the peeling off of the paint film.
- "Blue fungi", which causes discoloration and putrefaction which leads to detaching matter (they are also responsible for the "grey color" of wood on the outside).
- High temperatures on the surface cause brittleness of the film: a window or shutter exposed to the summer sun light can easily reach +60°C (+140°F).

Humidity which penetrates into the wood where the film of the paint is not continuous because of cracks, also adds to the film's degradation. Additional factors which would cause paint degradation would be;

- Weather conditions
- Insects aggression
- Pollution effects

Vernites outdoor products are the result of the latest research & development.

They are designed to ensure the best protection against the leading causes of wood degradation when exposed to the outdoor elements. Our products also provide an excellent appearance with low environmental impact.

All our products, whether water or solvent based, are specifically formulated to ensure long lasting, excellent performance as well as ease of use - they are ideal for both the artisan and large scale industrial processes.

RANGE OF USES

Our outdoor products are particularly recommended for protecting wooden articles exposed to weathering, and are also suitable for indoor usages.

They can be used on doors, window frames, stairs, garden furniture, balconies, fences and on all articles that require high quality durability.

Green products also means caring for the environment where you work.

By using our water based products, you are undertaking an intelligent and responsible position for yourself and the environment, which will result in incurring the following advantages;

Environmental advantages

- Drastic reduction of VOC emission
- Superior working environment within the paint department

Increased performance

- Longer durability of wooden articles
- Non-yellowing of the paint film
- Superior matt finishing

Functional benefits

- Accelerated drying time
- Easy over layering
- Cleaning of the tools and guns with water, no waste solvent expenses
- No risk of fire within the spray booth or stockroom and residual overspray

VERNITES HIGH QUALITY HAS BEEN TESTED & CERTIFIED AND IT'S GUARANTEED

Vernites outdoor products are the result of extended experience in research and tests in the wood coating products environment. Like all Vernites products, they undergo severe testing, quality and reliability tests. With a keen eye on the environment, we have formulated all products using carefully selected raw materials. Any solvents used have low environmental impact.



Technical data

TYPE OF PRODUCT	APPLICATION	Suggested quantity (gr./m ²)	Packaging (Solvent)	Packaging (Water)
Wood Stains		40 - 80	l. 5, l. 20	Kg. 5, Kg. 20
Waxed Stains		80-120	l. 5, l. 20	Kg. 5, Kg. 20
Base and intermediate coats		100-150	l. 5, l. 20	Kg. 5, Kg. 20
Clear topcoat		150-350	l. 5, l. 20	Kg. 5, Kg. 20
Pigmented topcoat		150-300	Kg. 5, Kg. 20	Kg. 5, Kg. 20
Thinners/Additives			l. 5, l. 20	Kg. 1, Kg. 5
Restoring article				l. 0.75, l. 2,5



Brush



Spray



Electrostatic Spray



Flow Coating



Dip coating

KNOWLEDGE OF THE PROBLEM: DEEP ANALYSIS & FAST SOLUTION

When using water based products, a good knowledge of wood is required (coniferous and broad leafed varieties), as well as instruction about the working environment.

Water based products start film forming at more than +10°C (+50°F), but these are not the optimal conditions. In the cooler and humid seasons, a heating system with good ventilation is required to elevate temperatures above +15°C (+ 59°F) and stabilize the humidity at or below 60%. Also, a prior check of compatibility with the wood, glues and seals must be established. Stainless steel or water based certified equipment must be used for painting. Cleaning must be done first with water and then with our specific cleaning solution.

Our water based products contain minimal percentages of solvents which do not classify them as flammable or dangerous. Water base products do not have to be stored in special fireproof rooms, however, the temperature must be maintained at a minimum of +8°C (+46°F) to +30°C (+ 86°F).

THE MAINTENANCE OF THE OUTDOOR PRODUCTS

To maintain the longevity and integrity of the outdoor paint film long for continued years, proper maintenance should be regularly scheduled. This includes: cleaning, repairing where necessary, refreshing (or renovating) with our special kit Rinnova.



Rispetta la
n compliance with
UNI EN 71
part 3° and part 9°
Sicurezza giocattoli
Toys safety

Prisma SRP

5/10 years Warranty

QUALITY OF THE WOOD
DESIGN OF THE PRODUCT
COATING SYSTEM
INSTALLATION ON SITE
EXTENSION OF THE WARRANTY



Coating warranty for externally exposed doors, windows and wooden products

Vernites S.r.l. produces wood coatings that improve and protect the items we have in our homes. For more than 50 years, with the collaboration of the best Italian and European research agencies, special resins and raw materials that contribute to the formation of high performance interior and exterior coatings are selected and processed.

After several years of devoted work, Vernites has created products that provide credibility for the coating manufacturer, the distributor, the fitter/the applicator and the end user.

The “Prisma” warranty is a philosophy that completely covers the constructive aspects, the design, the quality of the wood selected, the coating system used, the installation of manufactured articles and its maintenance over time.

“Prisma” makes use of:

- Wood protector: a solution designed specifically to protect the lignin of wood. This penetrates into the wood fibres and greatly increases the resistance of the article outside.
- Primer (also referred to as “preservatives”): a solution that penetrates into the wood fibres, gives a pleasant colour and offers a perfect base to the subsequent coating cycle.
- Intermediate solution: a product that penetrates and protects all parts of the article, even the most hidden, and creates a continuous film even at the points where it is impossible to spray.
- Base: a solution that improves the aesthetic appearance of the coated item. In the pigmented cycles, blocks the leaking of resins and tannins from the wooden substrate.
- Finish: product that determines the aesthetic appearance, the protection and durability of the treated article; it can be clear or pigmented, glossy or matte. The presence of nanotech components ensures better resistance to UV radiation.

The conditions for the validity of the warranty:

- Strictly observe the directions on the Vernites technical data sheets.
- Keep the sales invoices to confirm the installation dates.
- Provide the fitter/applicator with the Prisma warranty contract.
- Provide the end customer with instructions for the periodic maintenance and the retouching procedure in case of damage.

Vernites reserves the right to choose whether to proceed at its own expense, with the recoating or the replacement of the parts. Additional rights of reimbursement are excluded from the warranty. This warranty does not limit the validity of any legal warranties.

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10
ANNI
GARANZIA
YEARS
WARRANTY



Cycle guaranteed SRP4T “Prisma 10 years transparent”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Dipping, flow coating	6	80
Eco Supernova fond hemlock 209 or Eco Megatix framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	6	125
Sanding	Sanding with 280-320 grit or brushing		
Eco Megatix HRS PLUS framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	12 - 24	250

■ *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, FRAMIRÈ.*

La garanzia sarà di 10 anni per le finestre e 8 per gli scuri.

■ *The following timber species are excluded from this coating cycle: IROKO, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*

Cycle SRP4T - Table of coating system test results

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	98.76 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1	A1, d1	+
Free Film extensibility	PTP 156	Initial ≥ 50%	52%	+
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	4	+
Wet adhesion	PTP 137 Method A Method B	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa ≤ 2	0.8 MPa; 0.4 MPa 0	+ +
Free film trasmittance	PTP 138	From 280 and 340 nm ≤ 1% From 280 and 440 nm ≤ 5%	0.08% 4.79%	+ +
Inhibition of the growth on agar	PTP 136	Hinibited growths	Hinibited growths	+
Microfoam/air inclusion in film	CEN TS 16358	Mean value < 30 bubbles / cm	13 bubbles / cm	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017

The cycles guaranteed are as follows:

Cycle guaranteed 72871 “Prisma 10 years transparent for conifer”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Extragrund or Eco Supergrund FJ coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Dipping, flow coating	6	80
Eco Supernova fond hemlock 209 or Eco Megatix larice 203 / hemlock 209 noce 252	Airless or airmix spray	6	125
Sanding	Sanding with 280-320 grit or brushing		
Eco Megatix HRS PLUS larice 203 / hemlock 209 noce 252	Airless or airmix spray	12 - 24	250

■ Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON.
The warranty will be 10 years for windows and 8 for shutters.

■ The following timber species are excluded from this coating cycle: OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.

Cycle guaranteed 7271 “Prisma 8 years transparent for conifer”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Extragrund or Eco Supergrund FJ coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Immersione, flow coating	6	80
Sanding	Sanding with 280-320 grit or brushing		
Eco Megatix HRS PLUS larice 203 / hemlock 209 noce 252	Airless or airmix spray	12 - 24	300

■ Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON.
The warranty will be 8 years for windows and 6 for shutters.

■ The following timber species are excluded from this coating cycle: OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.

Cycle guaranteed 79871 “Prisma 5 years transparent for conifer natural effect”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Extragrund or Eco Supergrund FJ coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Dipping, flow coating	6	80
Eco Supernova fond hemlock 209 or Eco Meganatur larice 203 / hemlock 209 noce 252	Airless or airmix spray	6	125
Sanding	Sanding with 280-320 grit or brushing		
Eco Meganatur 0 gloss larice 203 / hemlock 209 noce 252	Airless or airmix spray	12 - 24	250

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON. The warranty will be 5 years for windows and 4 for shutters.*
- *The following timber species are excluded from this coating cycle: OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*





Cycle guaranteed SRP2T “Prisma 8 years transparent”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova Intermedio	Flow coating	6	80
Eco Supernova Fond hemlock 209 or Eco Ultratix framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	6	125
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultratix framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	12 - 24	250

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, FRAMIRÈ.*

The warranty will be 8 years for windows and 6 for shutters.

- *The following timber species are excluded from this coating cycle: IROKO, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*

Cycle SRP2T - Table of coating system test results

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	87.00 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1 a 50 °C: a2, d1	A0, d0 A0, d0	+ +
Free Film extensibility	PTP 156	Initial ≥ 50%	141%	+
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	4	+
Wet adhesion	PTP 137 Method A Method B	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa ≤ 2	0.5 MPa; 0.2 MPa 0	+ +
Free film transmittance	PTP 138	From 280 and 340 nm ≤ 1% From 280 and 440 nm ≤ 5%	0.46% 4.51%	+ +
Inhibition of the growth on agar	PTP 136	Inhibited growths	Inhibited growths	+
Microfoam/air inclusion in film	CEN TS 16358	Mean value < 30 bubbles / cm	16 bubbles / cm	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017

Cycle guaranteed 78871 “Prisma 8 years transparent for conifer”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Extragrund or Eco Supergrund FJ coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Dipping, flow coating	6	80
Eco Supernova fond hemlock 209 o Eco Ultratix larice 203 / hemlock 209 noce 252	Airless or airmix spray	6	125
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultratix larice 203 / hemlock 209 noce 252	Airless or airmix spray	12 - 24	250

- Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON.
The warranty will be 8 years for windows and 6 for shutters.
- The following timber species are excluded from this coating cycle: OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.

Cycle guaranteed 7871 “Prisma 6 years transparent for conifer”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Extragrund or Eco Supergrund FJ coloured	Brush, dipping, flow coating	4 - 6	50
Eco Supernova intermedio	Dipping, flow coating	6	80
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultratix larice 203 / hemlock 209 noce 252	Airless or airmix spray	12 - 24	300

- Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON.
The warranty will be 6 years for windows and 5 for shutters.
- The following timber species are excluded from this coating cycle: OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.



Cycle guaranteed SRP1T “Prisma 6 years transparent”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund coloured	Brush, dipping, flow coating	4 - 6	50
Eco Ultratix framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	6 - 12	150
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultratix framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	12 - 24	150

- Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, FRAMIRÈ.

The warranty will be 6 years for windows and 5 for shutters.

- The following timber species are excluded from this coating cycle: IROKO, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.



This painting cycle is also certified by the Catas according to the certification scheme for outdoor painting cycles

Cycle SRP1T - Table of coating system certification

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	94.61 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1 a 50 °C: a2, d1	A0, d0 A0, d0	+ +
Free Film extensibility	PTP 156	Initial ≥ 50%	141%	+
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	5	+
Wet adhesion	PTP 137 Method A Method B	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa ≤ 2	1.0 MPa; 0.7 MPa 0	+ +
Free film transmittance	PTP 138	From 280 and 340 nm ≤ 1% From 280 and 440 nm ≤ 5%	0.23% 2.54%	+ +
Inhibition of the growth on agar	PTP 136	Inhibited growths	Inhibited growths	+
Microfoam/air inclusion in film	CEN TS 16358	Mean value < 30 bubbles / cm	19 bubbles / cm	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017



Cycle guaranteed SRP3T “Prisma 10 years transparent”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund coloured	Brush, dipping, flow coating	4 - 6	50
Ecopur Stone 2K cat. 10% CW 7800 framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	6 - 12	150
Sanding	Sanding with 280-320 grit or brushing		
Ecopur Stone 2K cat. 10% CW 7800 framirè 244 / castagno 204 mogano 207 / merbau 250	Airless or airmix spray	12 - 24	150

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, FRAMIRÈ.*

The warranty will be 10 years for windows and 8 for shutters.

- *The following timber species are excluded from this coating cycle: IROKO, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*

Cycle SRP3T - Table of coating system test results

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	80.08 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1 a 50 °C: a2, d1	A0, d0 A1, d0	+ +
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	5	+
Wet adhesion	PTP 137 Method A Method B	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa ≤ 2	3.0 MPa; 2,3 MPa 0	+ +
Free film transmittance	PTP 138	From 280 and 340 nm ≤ 1% From 280 and 440 nm ≤ 5%	0.14% 3.82%	+ +
Inhibition of the growth on agar	PTP 136	Hinibited growths	Hinibited growths	+
Microfoam/air inclusion in film	CEN TS 16358	Mean value < 30 bubbles / cm	22 bubbles / cm	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017

Cycle guaranteed 83229 “Prisma 7 years pigmented”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund clear or coloured	Brush, dipping, flow coating	2 - 4	50
Ecopur fond 2k white cat.10%	Airless or airmix spray	2 - 4	200
Ecopur fond 2k white cat.10%	Airless or airmix spray	8 - 12	200
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultralack white	Airless or airmix spray	12 - 24	250

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH.*

The warranty will be 7 years for windows and 6 for shutters.

- *The following timber species are excluded from this coating cycle: IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*





Cycle guaranteed SRP1P “Prisma 6 years pigmented”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Verniprotect white	Brush, dipping, flow coating and spray	2 - 4	80
Eco Specialfond white	Airless or airmix spray	2 - 4	200
Eco Specialfond white	Airless or airmix spray	8 - 12	200
Sanding	Sanding with 280-320 grit or brushing		
Eco Ultralack pigmented	Airless or airmix spray	12 - 24	250

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, HEMLOCK, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI.*
The warranty will be 6 years for windows and 5 for shutters.
- *The following timber species are excluded from this coating cycle: YELLOW PINE, DOUGLAS, LARCH, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH, IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*

Cycle SRP1P - Table of coating system test results

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	84.23 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1	A0, d0	+
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	4	+
Wet adhesion	PTP 137 Method A Method B	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa ≤ 2	0.7 MPa; 0.5 MPa 2	+ +
Inhibition of the growth on agar	PTP 136	Hinibited growths	Hinibited growths	+
Microfoam/air inclusion in film	CEN TS 16358	Mean value < 30 bubbles / cm	7 bubbles / cm	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017



Cycle guaranteed SRP2P “Prisma 10 years pigmented”

Product applied	Method of application	Drying (hours)	Thickness (micron)
Preservative Eco Latygrund clear or coloured	Brush, dipping, flow coating and spray	2 - 4	50
Ecopur Fond 2K white cat.10% CW 7500	Airless or airmix spray	2 - 4	200
Ecopur Fond 2K white cat.10% CW 7500	Airless or airmix spray	8 - 12	200
Sanding	Sanding with 280-320 grit or brushing		
Ecopur Stone 2K pigmented cat. 10% CW 7800	Airless or airmix spray	12 - 24	150

- *Timber species suitable for the above coating cycle: WHITE FIR, RED FIR, SWEDEN PINE, YELLOW PINE, HEMLOCK, DOUGLAS, LARCH, CANADIAN CEDER, OKUMÈ, LIGHT MERANTI, DARK MERANTI, SAPELLI, SIPO MAHAGONI, NIANGON, OAK, WHITE OAK, RED OAK, CHESTNUT, ASH.*

The warranty will be 10 years for windows and 8 for shutters.

- *The following timber species are excluded from this coating cycle: IROKO, FRAMIRÈ, TEAK, EUCALIPTUS, BRASILIAN CEDER, RUSSIAN LARCH, MDF.*

Cycle SRP2P - Table of coating system test results

Description	Reference	Requirement	Evaluation	Result
Water permeability	EN 927-5	> 30 ; < 175 g/m ²	85.62 gr/m ²	+
Stackability	CEN / TS 16499	a 23 °C: a2, d1 a 50 °C: a2, d1	A0, d0 A0, d0	+ +
Resistance to cold liquid (water)	UNI EN 12720	≥ 4	5	+
Wet adhesion	PTP 137 Method A	≥ 0.5 Mpa; sing. Val. ≥ 0.3 MPa	0.5 MPa; 0.3 MPa	+
Inhibition of the growth on agar	PTP 136	Hinibited growths	Hinibited growths	+

The table shows part of the minimum requirements and the results obtained on the check carried out in 2017

Warranty Conditions of products for professional use.

1. Obligations of the supplier

It is stated that the coating cycle specified above is composed of products exclusively for professional/industrial use and are therefore not intended for "consumers".

In this regard, the supplier guarantees the suitability of its products when correctly applied through appropriate equipment, in environments adequate for professional use referring to the afore-mentioned products.

The coating cycle specified in this document has a weather resistance of approximately 5-10 years when all the products listed are applied in accordance with the product specifications.

The supplier commits, in the context of the warranty issued and relative to the coating cycle indicated above, to examine every issue that its purchasers may report on/complain about. This is in order to identify and resolve the possible cause of the alleged complaint.

If the parties dispute the nature and resolution of the cause of the "defects" of the coating cycle being examined (defects of which the supplier of the products should be notified, in writing, no later than 7 days from the discovery of any issue concerning the afore-mentioned coating cycle), the parties shall appoint their own defence expert if the dispute cannot be settled amicably.

The costs of the individual expert reports will be charged to the party deemed responsible for the damage by the Court of Busto Arsizio (Varese) Italy.

The decision of the court and the Jurisdiction of the Court of Busto Arsizio (Varese) are irrevocable and the purchaser, with the mere purchase of VERNITES S.r.l. products, explicitly accept this condition, including that of the warranty, in accordance with Arts. 1341 and 1342 of the Civil Code.

The **supplier** and **fitter** and/or the **applicator** are both liable for the above coating cycle, each for the Italian legislation in force. The supplier's liability is limited to restoring only what is necessary to repair the alleged damage and/or defect.

2. Obligations of the fitter

Any warranty that goes beyond that described in paragraph 1 is the sole responsibility of the **fitter** and/or **applicator**.

In particular, the **fitter** is committed to produce its own articles in accordance with the EN standards and the national directives.

The absence of or incorrect execution that does not reflect the National Regulations and Directives in force may result in the forfeiture of any warranty by the supplier.

3. Application of the coating products

The application of coating products must also be in accordance with the contents of the Technical Data Sheets (TDS) in force.

If the application of the coating cycle in question is different from the specifications and the instructions of the supplier, such differences will lead to the exclusion of liability and of the warranty of the supplier.

4. Warranty toward third parties

The **fitter** and/or **the applicator** must provide the warranty for its customers, by issuing the "Prisma warranty contract for the fitter/applicator".

The **fitter** and/or **the applicator** must provide the supplier with a copy of the "Prisma warranty contract for the fitter/applicator" that the former will issue and that will thus involve the coating cycles of VERNITES S.r.l.

The "Prisma warranty contract for the fitter/applicator", issued by the purchaser to its customer, should in any case contain the commitment by the end customer to carry out, at least once a year, an inspection of the window and door frames (wood products) and, where necessary, perform routine maintenance as described below.

As such, the final customer must immediately remove any sign of wear and/or accidental defect. If this is not possible, the same must report any issue to its **fitter and/or applicator**.

The following are excluded from this warranty:

- Damage and/or defects that have occurred during or after installation due to atmospheric agents, such as storms or hail, or any case of improper treatments (for example: use of unsuitable detergents, aggressive adhesive tapes, damage by animals, etc.).
- Normal wear and tear, which could result, for example, in a decrease of the surface gloss, a chromatic variation of the wood, a small crack including the leaking of resin from the wood. For some of these drawbacks, the reference standard is the European EN-927.
- Swelling of the wood due to an excess of moisture in the construction site or at a later date.

- Chromatic differences that may arise depending on the wood used.
- Colours that are not standard and are not included in the range and production of the supplier are in any case not covered by the warranty.
- Any defects as a result of mistakes in the design and manufacture of wooden products including damage during their installation or the incorrect application of coating cycles will result in the warranty being null and void.
- All damages due to the points listed above.

5. Other clauses

This warranty shall enter into force and will be tacitly accepted by the purchaser on the date of delivery of the VERNITES S.r.l. products.

The terms and conditions of sale refer to those provided for the wholesale between business entities, thus excluding any legislation regarding the rights of consumers.

In agreement with the afore-mentioned, the Purchaser, with the purchase of coating products of the above-mentioned VERNITES S.r.l., declares being able to produce its own door and window frames (and/or wood products) in accordance with the most advanced technologies available.

The supplier states that, for the correct application of the coating, it is necessary to comply with the instructions of the supplier described in the application cycles and/or in the technical data sheets for each product.

In particular, and for the purpose of the warranty of the application cycles listed above, the supplier emphasises that:

- it is important that the untreated wood support has a moisture content between 12 and 14%;
- the frames compromised by mechanical damage by the machines for the processing of wood products must be discarded and restored;
- frame profiles with rounded corners must be used (>2 mm. minimum radius);
- it is necessary to check and remove any open joint of the wood;
- an appropriate and suitable sealant must be used for the headers and the joints of the wood (post and beam of frames);
- the thickness of the coating film must be applied according to the indications of the technical data sheets (never less than 100-120 microns dry for the transparent cycles and 200 for the pigmented cycles). This amount of coating product can be achieved with one or several finish coats. Thicknesses lower than the above indicated will not achieve the optimum performance of the above coating products;
- during application of the coating cycles, the air humidity must be less than 70%, but higher than 30%;
- during application of the coating cycles, the minimum temperature of the environment must not be less than 10°C;
- the drying times of the coating cycle must always be respected. If necessary, use an automatic system for rapid drying compatible with the application cycle in question;
- the treated surfaces must not be exposed to the outside for at least 4 days from the date of the end of the coating cycle so as to guarantee the perfect curing of the film of coating products;
- It is important to keep present that the duration of the coating film is directly proportional to the application of the same. Any possible formation of microfoam should therefore be avoided even if this forms accidentally with the equipment;
- careful attention must be paid to cleaning articles of the finished wood products. In fact, cleaning products of a certain aggressiveness should not be used. The use of neutral detergents is therefore recommended;
- avoid the presence of holes and hollows where water could collect, external parts must have a slope of at least 15% to facilitate descent of the water;
- glass should be properly sealed, not at its end point but with a continuous edge seam between the glazing bead and the glass itself. Use sealants suitable for waterbased products;
- products should be correctly installed. For the frames mounted at less than 10 cm from the façade, the warranties of blind screens are applicable, whilst shutters must be fitted at least at 6 mm. raised from the window sill. Perfectly seal wire covers and frames to avoid the collection and infiltration of water.

6. Warranty Extension

Use of the product **Rinnova** is required to prolong and ensure the duration of the film of the application cycle; by applying this product ordinarily every six months, it is possible to keep the wooden product exposed to weathering and atmospheric agents in the better conditions.

The **Rinnova** kit also includes a detergent to be used for the routine cleaning of the frame. After the necessary cleaning of the wooden product, **Rinnova** may then be applied.

In order to avoid the formation of rings, the application of **Rinnova** must be performed in the shade and with optimum atmospheric conditions when using water based coating products.

The indications in the latest versions of the supplier's technical data sheet must therefore be strictly observed.

The use of **Rinnova** enables the extension of an additional 12 months of warranty.

7. Reference to the Law

For that not expressly agreed in this document, the rules of Italian Law shall apply.

8. Disputes - Jurisdiction

In the event of a dispute with regard to this warranty and the conditions of sale and on the assumption that such disputes cannot be settled amicably, the Court and the Jurisdiction of competence, for every possible dispute between the parties, will be that in Busto Arsizio (Varese, Italy), as better stated and described in paragraph 1 of this contract.

Except in those necessary cases governed by the Law on the matter of mediation, this contract does not adhere and will not be subject to any mediation prior to any judicial dispute.

9. Handling of complaints

When a fitter/applicator identifies a defect on the coated surface of an external door or window or of a main door that may be attributable to the Vernites coating, the same must notify in writing within 30 days of appearance of the defect the Vernites Technical Service at the address info@vernites.it or to the fax number +39 0331 669891.

Firstly, the company will check registration of the customer to Vernites-club.com, after which the representative for Vernites will visit the site of the customer and will verify that the product has been manufactured according to the specific requirements and that the coating has been applied according to the indications of the technical datasheet.

The technician will prepare a report and the fitter/applicator will receive within 30 days of communication of the complaint a report on the causes that have generated the damage and a detail of the remedial measures to undertake.

At this point the fitter/applicator may accept the version of the facts proposed or request a further "super partes" technical report.

Where the fault is attributed to the Vernites products, the company will bear the entire cost of recoating or replacement and the costs of the said report. If however, the cause of the defect is attributed to other factors, the fitter/applicator will bear the costs of the repair of doors and windows and of the same report.

In practice, Vernites proposes the use of a contract report, indicating as impartial laboratory Catas, chosen for its technical competence matured over the years.

Until the conclusion of the technical report and the consequent establishment of the causes, recovery procedures and any other aspect, the fitter/applicator is advised not to intervene on the products, subject of the complaint. Failure to respect this could result in the loss of rights by the same.

By purchasing the VERNITES S.r.l. products, the fitter/ applicator specifically accepts the entire content and conditions specified herein.

Color chart Exterior

COATED WITH CLEAR FINISHING

ONLY STAINED

INCOLORE

PINO 218

INCOLORE

NOCE 252

INCOLORE

HEMLOCK 209

INCOLORE

TEAK 208

INCOLORE

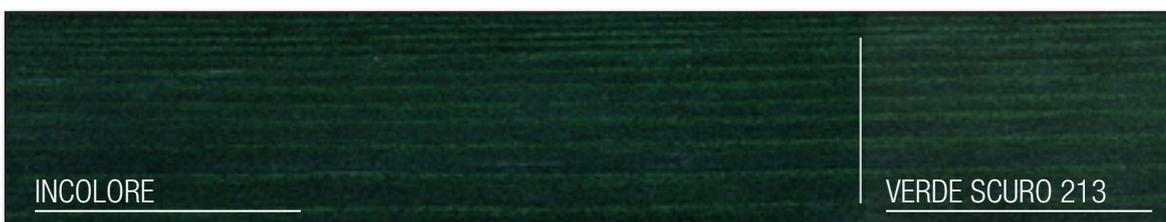
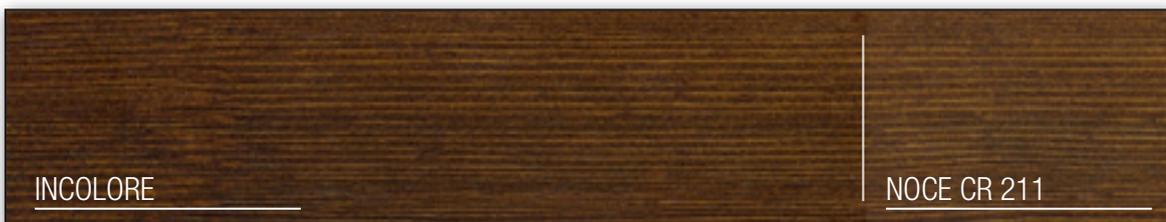
CASTAGNO 204

INCOLORE

NOCE ROSSICCIO 215

INCOLORE

MOGANO 207



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The user should always verify the accuracy of the color through prior preparation of a small batch before selling to third parties or use the color himself. Verites S.r.l. cannot be held responsible for any damage caused by miss data of the contents, or variations of the color or for any actions related to the use of the information contained in this brochure.



Color chart Exterior SRP

COATED WITH CLEAR FINISHING

ONLY STAINED

FRAMIRÉ 244

PINO 318

FRAMIRÉ 244

DOUGLAS 305

FRAMIRÉ 244

NOCE CHIARO 301

FRAMIRÉ 244

NOCE 352

MOGANO 207

DOUGLAS 305

MOGANO 207

NOCE 352

MOGANO 207

CASTAGNO 304

COATED WITH CLEAR FINISHING

CASTAGNO 204

ONLY STAINED

NOCE 315

CASTAGNO 204

TEAK 308

CASTAGNO 204

NOCE ACERBA 312

CASTAGNO 204

MOGANO 307

MERBAU 250

NOCE CR 311

MERBAU 250

NOCE SCURO 310

ABETE 214

VERDE 313

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