

[[PROTEZIONE DEL CALCESTRUZZO				
6	EN 1504-2 (C)				
CON	RESISTENZA AL LAVAGGIO				
1.01	100 11000 1				

classe 1

MITÀ

ISO 11998-1

COAT MAT

Final protection for polished plaster floors of the NATURAL range: MATT PROTECTIVE TOP COAT

CE Mark:

• EN 1504-2 (C) - Principles: MC-IR

Certifications: • ISO 11998 - Classe: 1





Description

COAT MAT is a water-based bi-component aliphatic top coat to be mixed when used. It creates a matt and transparent final protective layer for NATURAL-series polished plaster surfaces.

CE Mark

► EN 1504-2

COAT MAT fulfils the principles defined in the EN 1504-9 standard ("Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and evaluation of conformity. General principles for use of products and systems") and to the requirements of the EN 1504-2 standard ("Protection systems for concrete surfaces") for the following class:

 \rightarrow MC-IR

- For Principle 2 (MC) Humidity control: 2.2 Coating (C).
- For Principle 8 (IR) Resistance increase through the limitation of the humidity content: 8.2 Coating (C).

Certifications

COAT MAT was subjected to the washing test according to EN ISO 11998 and results in Class 1 (0.46 ± 0.09 µm)

Colour

COAT MAT creates a matt transparent coating.

Field of application

COAT MAT is ideal for finishing and protection on the following materials:

• Finishing coatings made of cement or epoxy-cement skim coats, on the wall or floor.

· Floors made of concrete or cement screeds.

COAT MAT can also be used on cement and polymer-cement coatings with nature different to NATURAL.

In this case, however, the compatibility must be verified through preliminary trials.

Advantages

- · COAT MAT allows for making cement and polymer-cement surfaces impermeable and stain-proof.
- COAT MAT is a water-based product and does not emit any odours during application.

Specific preparation of the laying support

NATURAL TOP surfaces







COAT MAT

- Smooth the surface with a 120–180-grit abrasive mesh.
- Completely remove any dust by carefully vacuuming the surface or rubbing a damp cloth.

• Make sure that the support is sufficiently cured (normally 8–12 hours after application in optimal environmental conditions).

• Apply NATURAL COAT PRIMER as explained in the Technical Sheet.

- Wait 6–8 hours until NATURAL COAT PRIMER cures completely.
- · Proceed with the application of COAT MAT.

Preparing the product

The product preparation methods differ in relation to the packages.

INDUSTRIAL PACKAGES

- Open the packages of components A and B.
- Pour the desired amount of comp. A into a clean service container.
- Pour comp. B into comp. A according to the weight ratio shown on the package.
- Mix thoroughly with a mechanical low-speed professional mixer.
- Do NOT dilute the A+B mix, it is ready-to-use.

• Once mixed and ready for use, the product must be used within 35 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).

► KIT PACKAGE

- Open the packages of components A (bottle) and B (bag).
- Pour comp. B into comp. A.
- Close the cap and shake the bottle until the contents are perfectly amalgamated.
- Do NOT dilute the A+B mix, it is ready-to-use.

• Once mixed and ready for use, the product must be used within 35 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).

Application of the product

Apply the product with a short-haired roller in 2 coats, the second coat 6-10 hours from the first, depending on the temperature.

Consumption

TYPE OF APPLICATION	MINIMUM CONSUMPTION	MAXIMUM CONSUMPTION	UoM	DILUTION		
For two coats of the product, on NATURAL TOP treated with NATURAL COAT PRIMER	0,18	0,18	kg/m²	none		
First coat: 80 g / m ² . Second coat: 100 g / m ² .						

Cleaning of tools

- Rinse the tools and containers used for the application several times with water.
- Hardened product: remove mechanically, with an open flame or thermal gun (to be preferred).

Useful application tips

• Once mixed and ready for use, the product must be used within 30 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).

· Read the Safety Data Sheet carefully before using the product.



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COAT MAT

Technical data

P RODUCT IDENTIFICATION DATA UoM value Density 423°C (Component B), EN ISO 2811-1 kg/L 1,02 ± 0,03 Density 423°C (Component B), EN ISO 2811-1 kg/L 1,03 ± 0,03 Appearance (A+B mix) - Milky while liquid Odour - Slight, solvent-like > Appearance (A+B mix) - Milky while liquid Odour - Slight, solvent-like > APPLICATION DATA AND FINAL PERFORMANCES UoM Value Minit ratio by weight (A-B) - 10 : 1 Port-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 53 ± 5 Application temperature C From +10 to +35 Variace dying ime (32°C, 50°K, R-H,), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, with contact with water (at 23°C, 50°K, R-H,) days 7 Surface dying E, EN ISO 5470-1 mg 16.4 ± 0.3 Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, 100 rpm, tab + 109 ± 200 ± 0.004 (Class 1) 10 Y absing resistance (or us al Hag, EN ISO 5470-1 water w			
Density at 23°C (Component A), EN ISO 2811-1 kg/L 1.02 ± 0.03 Density at 23°C (Component A), EN ISO 2811-1 kg/L 1.03 ± 0.03 Appearance (A+B mix), EN ISO 2811-1 kg/L 1.03 ± 0.03 Appearance (A+B mix), EN ISO 2811-1 kg/L 1.03 ± 0.03 Appearance (A+B mix) - Stight, solvent-like Appearance (A+B mix) - Stight, solvent-like Partife (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature 'C From +10 to +35 Surface dors, gos, gos 60° - on FUTQAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 turns, load 1 kg, EN ISO 2470-1 Washing messistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 turns, load 1 kg, EN ISO 2470-1 Washing messistance (of the NATURAL TOP, EN 1050 2413 - 20 ± 5 Veare resistance (of the CAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 10.4 ± 0.3 Vashing resistance (of the NATURAL Cycle complete with COAT MAT ** finish) - Taber method, . mg 0.70 ± 0.00	► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C (Component B), EN ISO 2811-1 kg/L 1,0 ± 0,03 Density at 23°C (A+B mix), EN ISO 2811-1 kg/L 1,03 ± 0,03 Appearance (A+B mix), EN ISO 2811-1 kg/L 1,03 ± 0,03 Appearance (A+B mix), EN ISO 2811-1 kg/L 1,03 ± 0,03 Appearance (A+B mix), EN ISO 2811-1 - Milky white liquid Odour - Slight, solvent-like Application temperature - 10 : 1 Portific (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature - From +10 to +35 Surface drying time (23°C, 50% R.H.) days 7 Surface drying time (23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the CAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, PU = 20 ± 5 mg 0,070 ± 0,003 (Class 1) YECHNICAL DATA IN CONFORMITY TO EN 1504-2 Vom value Permeability to water, EN 1062-3 kg/(m**/h) 0,070 ± 0,003 (Class 1) <td>Density at 23°C (Component A), EN ISO 2811-1</td> <td>kg/L</td> <td>1,02 ± 0,03</td>	Density at 23°C (Component A), EN ISO 2811-1	kg/L	1,02 ± 0,03
Density at 23°C (A+B mix), EN ISO 2811-1 kpL 1.03 ± 0.03 Appearance (A+B mix) - Milky white liquid Odour - Slight, solvent-like > APPLICATION DATA AND FINAL PERFORMANCES UoM Value Mix ratio by weight (AB) - 10 : 1 Portife (ixSometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature °C From +10 to +35 Surface drying time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, without contact with water (at 23°C, 50% R.H.) days 3 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the NATURAL TOP, EN ISO 2817-1 water value 7 Vasing resistance (of the NATURAL, cycle complete with COAT MAT ** finish) - Taber method, mg 3710 ± 10 H2 ECHNICAL DATA IN CONFORMITY TO EN 150-2 UoM value Permeability to water, SD equivalent at thickness, 0:12 mm, EN ISO 7783 m 0.070 ± 0.003 (Class 1) > TECHNICAL DATA IN CONFORMITY TO EN 150-2 UoM value Permeability to water, SD equivalent at thickness, 0:12 mm, EN ISO 7783	Density at 23°C (Component B), EN ISO 2811-1	kg/L	1,10 ± 0,03
Appearance (A+B mix) - Miky white liquid Odour - Slight, solvent-likke > APPLICATION DATA AND FINAL PERFORMANCES UoM Value Mix ratio by weight (A:B) - 10 : 1 Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature "C From +10 to +33 Surface dring time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, with out contact with water (at 23°C, 50% R.H.) days 3 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16 4 ± 0,3 Washing resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, 122 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 0,070 ± 0,003 (Class 1) Y EECHNICAL DATA IN CONFORMITY TO EN 1504-2 Vom value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Direct tensile adhesion, EN 1542 VMa 2,42 ± 0,05 (Cohesive failure in concrete) 1) ChellicAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI form 0,020 ± 0,00	Density at 23°C (A+B mix), EN ISO 2811-1	kg/L	1,03 ± 0,03
Odour · Slight, solvent-like A APPLICATION DATA AND FINAL PERFORMANCES UoM Value Mix ratio by weight (A.B) - 10:1 Pochife (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature °C From +10 to +35 Surface of proximation in the proximation of the proximati	Appearance (A+B mix)	-	Milky white liquid
APPLICATION DATA AND FINAL PERFORMANCES UoM Value Mix ratio by weight (A:B) - 10:1 Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature °C From +10 to +35 Surface drying time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0,46 ± 0,09 (Class 1) > TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water, PN 1062-3 kg/(m*vh) 0,020 ± 0,003 (Class 0 Incertensie adhesion, EN 1542 MPa 24 ± 0.05 (Cohesive failure in concrete) Cassification as per EN 1504-2 - MC-IR MC-IR > CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI Contacet	Odour	-	Slight, solvent-like
▶ APPLICATION DATA AND FINAL PERFORMANCES Uoil Value Nix ratio by weight (A.B) - 10 : 1 Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature °C From +10 to +35 Surface drying time (23°C, 50%, R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, with out contact with water (at 23°C, 50%, R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50%, R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 turns, load 1 kg, EN ISO 5470-1 Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, mg 3710 ± 10 Vashing resistance (or the method), 200 cycles, Ldft, EN ISO 11998 µm 0.46 ± 0.09 (Class 1) ▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 VoM value No Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0.070 ± 0.003 (Class 1) 0 forect tensitis adnesion, EN 1542 MPa			
Mix ratio by weight (A:B) - 10:1 Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature *C From +10 to +35 Surface drying time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finis honly) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 Wear resistance (of the CNAT MAT finis honly) - Taber method, CS17 abrasive wheel, 200 mg 2710 ± 10 W22 abrasive wheel, 1000 pm, load 1 kg, EN ISO 5470-1 was nesistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0.46 ± 0.09 (Class 1) PETCHNICAL DATA IN CONFORMITY TO EN 1504-2 Um value Permeability to water, EN 1062-3 kg/m²-kh) 0.020 ± 0.004 Casification as per EN 1542 MPa 0.070 ± 0.003 (Class 0) 0 0 Cassification as per EN 1542 VERHICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI Contact time 0 PotHEMICAL RESISTANCE TO COL	► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514 min 35 ± 5 Application temperature °C From +10 to +35 Surface drying time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimum commissioning time, without contact with water (at 23°C, 50% R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP. EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 5470-1 mg 3710 ± 10 H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 0.46 ± 0.09 (Class 1) P TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0.070 ± 0.003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0.020 ± 0.004 Direct tensile adhesion, EN 1542 - MC-IR MC-IR Classification as per EN 1504-2 - MC-IR S Classi	Mix ratio by weight (A:B)	-	10 : 1
Application temperature °C From +10 to +35 Surface drying time (23°C, 50%, R.H.). hours 6 ± 2 Minimum commissioning time, with contact with water (at 23°C, 50%, R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50%, R.H.) days 3 Surface gloss, 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Vear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 turns, load 1 kg, EN ISO 5470-1 Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, mg 3710 ± 10 H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0.46 ± 0.09 (Class 1) P ECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value 0 Permeability to water, EN 1062-3 kg/(m*-\h) 0.020 ± 0.004 10 Capsification as per EN 1504-2 - MC-IR - MC-IR CohemicAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI Contact time 0 10 10944 * (On COMPLETE NATURAL CYCLE with COAT MAT ** finish) 10 5 - MC-I	Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514	min	35 ± 5
Surface drying time (23°C, 50% R.H.), EN ISO 9117-3 hours 6 ± 2 Minimu commissioning time, without contact with water (at 23°C, 50% R.H.) days 3 Minimu commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16.4 ± 0.3 tims, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 W22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0.46 ± 0.09 (Class 1) ▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0.070 ± 0.003 (Class 1) Calillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0.020 ± 0.004 Direct tensile adhesion, EN 1542 MPa 2.42 ± 0.05 (Cohesive Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI Contact time Outcome 10944 '(ON COMP	Application temperature	°C	From +10 to +35
Minimum commissioning time, with out contact with water (at 23°C, 50% R.H.) days 3 Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 turns, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 Wear resistance (of the NAT URAL cycle complete with COAT MAT ** finish) - Taber method, mg 3710 ± 10 H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 0,46 ± 0,09 (Class 1) ► TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0.020 ± 0,004 Direct tensile adhesion, EN 1542 - MC-IR Classification as per EN 1504-2 - MC-IR Classification as per EN 1504-2 - MC-IR Classification as per EN 1504-2 - MC-IR Classificatine as per EN 1504-2 - MC-IR <td>Surface drying time (23°C, 50% R.H.), EN ISO 9117-3</td> <td>hours</td> <td>6 ± 2</td>	Surface drying time (23°C, 50% R.H.), EN ISO 9117-3	hours	6 ± 2
Minimum commissioning time, with contact with water (at 23°C, 50% R.H.) days 7 Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 turns, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 W22 abrasive wheel, 1000 rpn, load 1 kg, EN ISO 5470-1 mg 0,46 ± 0,09 (Class 1) ▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 m, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vih) 0,020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI to min 5 Armonia (aqueous sol. 10% by weight) 1 h 5 Acetone 10 s 5 Armonia (aqueous sol. 10% by weight) 1 h 5 Classification as per EN 1504-2 10 min 5 Detergent solution <	Minimum commissioning time, without contact with water (at 23°C, 50% R.H.)	days	3
Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813 - 20 ± 5 Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 Uruns, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 0,46 ± 0,09 (Class 1) > TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0,020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR > CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI Contact time Outcome 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) 1 h 5 Acetone 10 s 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Red wine 10 min 5 S S S	Minimum commissioning time, with contact with water (at 23°C, 50% R.H.)	days	7
Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 mg 16,4 ± 0,3 turns, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0,46 ± 0,09 (Class 1) ► TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0,020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR MC-IR ► CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 109 s 5 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 5 Acetica caid (aqueous sol. 10% by weight) 1 h 5 5 Coffee 10 min 5 5 5 Disinfectant (2.5% choloramine T) 1 h 5	Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813	-	20 ± 5
Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1 mg 3710 ± 10 Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0,46 ± 0,09 (Class 1) ▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0,020 ± 0,004 10 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) 10 Classification as per EN 1504-2 - MC-IR 0 0 40 P CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) 1 h 5 5 Acetione 10 s 5 5 5 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 5 5 Acetione 10 min 5 5 5 Coffee 10 h 5 5 5 5 Disinfectant (2,5% chloramine T)	Wear resistance (of the COAT MAT finish only) - Taber method, CS17 abrasive wheel, 25 turns, load 1 kg, EN ISO 5470-1	mg	16,4 ± 0,3
Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998 µm 0,46 ± 0,09 (Class 1) ▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class 1) Capillary absorption and permeability to water, EN 1062-3 kg/(m ² -\h) 0,020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome Acetic acid (aqueous sol. 10% by weight) 1 h 5 Acetone 10 s 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Coffee 1 h 5 Disinfectant (2.5% chloramine T) 1 h 5 S S S Lityl alcohol (aqueous sol. 10% by weight) 10 min 5 S S Disinfectant (2.5% chloramine T) 1 h 5 S S Lityl alcohol (aqueous solution 48% by volume) 10 min	Wear resistance (of the NATURAL cycle complete with COAT MAT ** finish) - Taber method, H22 abrasive wheel, 1000 rpm, load 1 kg, EN ISO 5470-1	mg	3710 ± 10
▶ TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class I) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0.020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) 1 h 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Acetone 10 s 5 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Cliffic acid (aqueous sol. 10% by weight) 1 h 5 5 5 Disinfectant (2.5% chloramine T) 1 h 5 5 5 Dive oil 1 h 5 5 5 Olive oil 1 h 5 5 5 Olive oil 1 h 5 5 5 Disinfectant (2.5% chloramine T) 1 h 5 5	Washing resistance (brush method), 200 cycles, Ldft, EN ISO 11998	μm	0,46 ± 0,09 (Class 1)
► TECHNICAL DATA IN CONFORMITY TO EN 1504-2 UoM value Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0,003 (Class I) Capillary absorption and permeability to water, EN 1062-3 kg/(m²-vh) 0,020 ± 0,004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ► CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome Acetic acid (aqueous sol. 10% by weight) 1 h 5 5 Acetone 10 s 5 5 Amonoia (aqueous sol. 10% by weight) 1 h 5 5 Clitric acid (aqueous sol. 10% by weight) 1 h 5 5 Clitric acid (aqueous sol. 10% by weight) 1 h 5 5 Detergent solution 1 h 5 5 Clifte acid (aqueous sol. 10% by weight) 1 h 5 5 Disinfectant (2.5% chloramine T) 1 h 5 5 Ink for stamps 16 h 5 5 Ethyl accetate + butyl accetate (1:1)			
Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783 m 0,070 ± 0.003 (Class I) Capillary absorption and permeability to water, EN 1062-3 kg/(m²+vh) 0,020 ± 0.004 Direct tensile adhesion, EN 1542 MPa 2,42 ± 0.05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) 1 h 5 Acetio acid (aqueous sol. 10% by weight) 1 h 5 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 5 Red wine 10 min 5 5 Ciffee 1 h 5 5 Disinfectant (2.5% chloramine T) 1 h 5 5 Ink for stamps 16 h 5 5 Ethyl acetate + butyl acetate (1:1) 10 s 5 5 Olive oil 1 h 5 5 5 Ciffee 1 h 5 5 5 Disinfectant (2.5% chloramine T) 1 h 5 5 5 Olive oil 1 h 5 5 5	► TECHNICAL DATA IN CONFORMITY TO EN 1504-2	UoM	value
Capillary absorption and permeability to water, EN 1062-3kg/(m²+ \sqrt{h})0.020 ± 0.004Direct tensile adhesion, EN 1542MPa2.42 ± 0.05 (Cohesive failure in concrete)Classification as per EN 1504-2-MC-IRC CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish)0 thAcetic acid (aqueous sol. 10% by weight)1 h5Acetone10 s5Ammonia (aqueous sol. 10% by weight)1 h5Coffee10 min5Coffee1 h5Detergent solution1 h5Coffee1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Pale beer10 min5Pale beer10 min5	Permeability to water vapor, SD equivalent air thickness, thickness 0.12 mm, EN ISO 7783	m	0,070 ± 0,003 (Class I)
Direct tensile adhesion, EN 1542 MPa 2,42 ± 0,05 (Cohesive failure in concrete) Classification as per EN 1504-2 - MC-IR ► CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome Acetic acid (aqueous sol. 10% by weight) 1 h 5 5 Acetione 10 s 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Red wine 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Detergent solution 1 h 5 Coffee 1 h 5 Disinfectant (2.5% chloramine T) 1 h 5 Ink for stamps 16 h 5 Ethyl alcohol (aqueous solution 48% by volume) 10 min 5 Olive oil 1 h 5 Liquid paraffin 1 h 5 Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight) 1 h 5 Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight) 1 h 5 Elebeer 1 h 5 5 Pale beer 10 min 5<	Capillary absorption and permeability to water, EN 1062-3	kg/(m²•√h)	0,020 ± 0,004
Classification as per EN 1504-2 - MC-IR ▶ CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome Acetic acid (aqueous sol. 10% by weight) 1 h 5 5 Armonia (aqueous sol. 10% by weight) 1 h 5 Red wine 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Detergent solution 1 h 5 Coffee 1 h 5 Disinfectant (2.5% chloramine T) 1 h 5 Ink for stamps 16 h 5 Ethyl alcohol (aqueous solution 48% by volume) 10 min 5 Ethyl alcohol (aqueous solution 48% by volume) 10 min 5 Clive oil 1 h 5 Liquid paraffin 1 h 5 Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight) 1 h 5 Tea 1 h 5 Deionised water 1 h 5 Pale beer 10 min 5	Direct tensile adhesion, EN 1542	MPa	2,42 ± 0,05 (Cohesive failure in concrete)
► CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish) Contact time Outcome Acetic acid (aqueous sol. 10% by weight) 1 h 5 Acetone 10 s 5 Ammonia (aqueous sol. 10% by weight) 1 h 5 Red wine 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Detergent solution 1 h 5 Coffee 1 h 5 Disinfectant (2.5% chloramine T) 1 h 5 Ink for stamps 16 h 5 Ethyl alcohol (aqueous solution 48% by volume) 10 min 5 Ethyl acetate + butyl acetate (1:1) 10 s 5 Olive oil 1 h 5 Liquid paraffin 1 h 5 Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight) 1 h 5 Tea 1 h 5 5 Deionised water 1 h 5 Pale beer 10	Classification as per EN 1504-2	-	MC-IR
Acetic acid (aqueous sol. 10% by weight)1 h5Acetone10 s5Ammonia (aqueous sol. 10% by weight)1 h5Red wine10 min5Citric acid (aqueous sol. 10% by weight)10 min5Detergent solution1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Olive oil1 h5Uive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Pale beer10 min5	► CHEMICAL RESISTANCE TO COLD LIQUIDS FOR HORIZONTAL SURFACES UNI 10944 * (ON COMPLETE NATURAL CYCLE with COAT MAT ** finish)	Contact time	Outcome
Acetone10 s5Ammonia (aqueous sol. 10% by weight)1 h5Red wine10 min5Citric acid (aqueous sol. 10% by weight)10 min5Detergent solution1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution class. LINI 1094400	Acetic acid (aqueous sol. 10% by weight)	1 h	5
Ammonia (aqueous sol. 10% by weight) 1 h 5 Red wine 10 min 5 Citric acid (aqueous sol. 10% by weight) 10 min 5 Detergent solution 1 h 5 Coffee 1 h 5 Disinfectant (2.5% chloramine T) 1 h 5 Ink for stamps 16 h 5 Ethyl alcohol (aqueous solution 48% by volume) 10 min 5 Olive oil 1 h 5 Liquid paraffin 1 h 5 Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight) 1 h 5 Sodium chloride (aqueous sol. 15% by weight) 1 h 5 Deionised water 1 h 5 Pale beer 10 min 5	Acetone	10 s	5
Red wine10 min5Citric acid (aqueous sol. 10% by weight)10 min5Detergent solution1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Ethyl alcohol (aqueous solution 48% by volume)10 min5Olive oil1 h5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Einal chemical resistance attribution class100 115	Ammonia (aqueous sol. 10% by weight)	1 h	5
Citric acid (aqueous sol. 10% by weight)10 min5Detergent solution1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Einal chemical resistance attribution classLINI 10944	Red wine	10 min	5
Detergent solution1 h5Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Einal chemical resistance attribution class10944	Citric acid (aqueous sol. 10% by weight)	10 min	5
Coffee1 h5Disinfectant (2.5% chloramine T)1 h5Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution class LINI 109441	Detergent solution	1 h	5
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Ink for stamps16 h5Ethyl alcohol (aqueous solution 48% by volume)10 min5Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution classLINI 10944	Disinfectant (2.5% chloramine T)	1 h	5
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Ethyl acetate + butyl acetate (1:1)10 s5Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution classLNI 10944	Ethyl alcohol (agueous solution 48% by volume)	10 min	5
Olive oil1 h5Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution classLINI 10944	Ethyl acetate + butyl acetate (1:1)	10 s	5
Liquid paraffin1 h5Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution classLINI 10944	Olive oil	1 h	5
Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)1 h5Sodium chloride (aqueous sol. 15% by weight)1 h5Tea1 h5Deionised water1 h5Pale beer10 min5Final chemical resistance attribution classUNI 10944	Liquid paraffin	1 h	5
Sodium chloride (aqueous sol. 15% by weight) 1 h 5 Tea 1 h 5 Deionised water 1 h 5 Pale beer 10 min 5 Final chemical resistance attribution class UNI 10944 1	Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)	1 h	5
Tea 1 h 5 Deionised water 1 h 5 Pale beer 10 min 5 Final chemical resistance attribution class UNI 10944 5	Sodium chloride (agueous sol. 15% by weight)	1 h	5
Deionised water 1 h 5 Pale beer 10 min 5 Final chemical resistance attribution class UNI 10944 -	Tea	1 h	5
Pale beer 10 min 5 Final chemical resistance attribution class UNI 10944 - D	Deionised water	1 h	5
Final chemical resistance attribution class LINI 10944	Pale beer	10 min	5
	Final chemical resistance attribution class, UNI 10944	-	D

* Assessment of the corrosive EFFECTS caused by cold liquids applied to the test surface in accordance with the EN 12720 standard:







COAT MAT

- 1: SIGNIFICANT PHYSICAL ALTERATION
- 2: SLIGHT PHYSICAL ALTERATION
- 3: SIGNIFICANT AESTHETIC ALTERATION
- 4: SLIGHT AESTHETIC ALTERATION
- 5: NO CHANGE

** The cycle subjected to wear resistance tests (Taber method) and chemical resistance according to UNI 10944 was created as per the Technical Data Sheet and is composed of:

- 1 BASE QUARTZ
- 2 NATURAL BOND (2 coats)
- 3 NATURAL TOP (1 coat)
- 4 NATURAL COAT PRIMER (2 coats)
- 5 COAT MAT (1 coat)

Storage of the product

• 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.

Protect the product against frost.

Packages				
VARIANT	PACKAGING	ADR	UNITS PER PALLET	COMPONENTS
-	kit (A+B) - 0,77 kg	NO	-	A = 0,70 kg – bottle B = 0.07 kg – bag
-	kit (A+B) - 1,1 kg	NO	-	A = 1,0 kg $-$ bottle B = 0,1 kg $-$ bag
- (1)	kit (A+5B) - 5,5 kg	NO	-	A = 5,0 kg – jug B = 0,5 kg x 5 – bag

legend

NO = NON DANGEROUS goods

(1): Component B is packed in 5 bags each weighing 0.1 kg, for practical partial use of the kit. The kit includes a transparent and graduated container for preparing the mixture.

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

Release date: 04.05.2015 Revisione: 07.12.2020



