



Nailastic AP

Sheath liquid waterproofing elastic, fiber-reinforced, Of nature acrylic-polyurethane. Walkable, UV-resistant, root-resistant.
Certified For encapsulation cement asbestos.

Description

NAILASTIC AP is a liquid sheath based on polyurethane resins modified in dispersion. sion watery, fiber-reinforced, That applied on any surface builder realize a man- to waterproof walkable with very high technical performance. Its characteristics the they make particularly resistant to the rays UV, to the stagnation of waterfall, to the frost And to the agent- you atmospheric in type. He owns characteristics of "anti-root" For applications in works from to cover with ground. Dry quickly Also to low temperatures And keeps the but- same performance up to temperatures of -30 °C. NAILASTIC AP is also certified for the in- encapsulation of type "A", "B" And "C" of the artifacts in cement asbestos (Eternit).

Use

High performance waterproofing, including walkable, for: balconies, terraces and co-openings in general of any size (exposed directly to atmospheric agents or before of the installation of ceramic coverings), works to be buried. Applicable on old screeds and new, sheaths bituminous, floors and surfaces builders in type.
Encapsulation in accordance with the law and waterproofing of artefacts and roofs in cement asbestos (Eternit).

Advantages

- Very high performance
- Permeable to the steam watery
- Absence of "welds"
- Excellent adhesion on any type of substrate porous And Not
- Single component ready to use
- Product to the water to Bass content Of VOC
- High elasticity And capacity of to do bridge on the cracks
- Walkable, resistant to the stagnation of waterfall And to the rays UV
- Anti-root
- Optimal range of temperatures of exercise

How to use

Quality from the surface

The support must have regularly matured, to be structurally stable and free from dirt, efflorescence, humidity, oils, fats etc.

They go removed, with adequate machinery, possible traces of previous coverings And materials in away Of detachment That may to compromise the adhesion of the product.

The consumption indicated I am from consider on surface perfectly smooth And to the net Of even-these dilutions.

Preparation from the surface:

• Support in cement And concrete

It is necessary to carry out a thorough cleaning of the support, removing inconsistent parts, dust, moss, oils and anything else could cause poor adhesion of the coating. chin; then intervene with a sander (single brush) equipped with an abrasive disc. If necessary, perform an acid wash (NAIDROP or SUPER NET) or basic (type SUPER AWAX). After washing, after 7-10 days at a temperature of approx. 20 °C, proceed with the application Of NAILLASTIC AP.

In case Of support in cement, it will be necessary check The degree Of roughness and The "Ph" of- the same; In the case in which This is superior to 11, And obligatory proceed at the pose in work of the bottom anchoring First resin Barrier to the Steam (second form technique). Furthermore, if the support is too rough, smooth it out (making it similar to a plaster trowelled smooth) by means of smoothing cementitious

NAI CM RASANTE ULTRA or regularize it with NAI CM RE-LEVEL (according to the data sheet), previous application of the bottom anchoring NAI BY 19. Is on such preparation that on ideal support, apply a first additional coat of NAILASTIC AP (approximately 250 gr/m^2) diluted with 10% water; or a coat of Nai 45 or Nai 45 H.

• ***Resin, tiles in clinker, single-fired, stoneware And everyone the products to Bass candies absorbent***

Check the adhesion of the tiles to the screed. In case of non-adhesion, re- move the/the tile/s And fill The empty by means of Malta premixed (type NAI CM RE-LEVEL), after applying an anchoring grout between 2 parts of cement and 1 part of Nai BY 19. To roughen all there surface with sander (single brush) runs- date from disc abrasive and/or with flexible accompanied with diamond cup.

If necessary Therefore, to execute a washing acid by means of NAIDROP or SUPER NET. In This case wait approx. 7-10 days to a temperature Of 20°C Before of the applicatio by NAILASTIC AP.

Often, in large terraces covered in tiles, the presence of joints in PVC That they go Treaties preventively. (For information contact The ours officetechnician)

Once the substrate has been prepared, it is necessary to apply a coat of Nai 45 or Nope 45 H ($180\text{-}200 \text{ gr/m}^2$).

• ***Supports in presence Of humidity residual Of nature cementitious or ceramic***

In case of residual humidity, plan to install aerators every $25\text{-}30 \text{ m}^2$, in way from allow the evaporation of the water contained In the screed cementitious. For the installation of the same remove for a space even at the its circumference, the often- of the underlying supports (tiles and/or screed) until reaching the previous one system waterproofing, doing Attention to Not damage it. Place the are- operator and restore the previously removed surface with cement mortar such as "Nai CM Ripristino".

Following suitable preparation of the supports (as reported above), which must be re- stable and absorbent results, apply instead of the generally foreseen primers, the base anchoring For surfaces wet called "Primaresina barriera al vapore" (350 g/m^2) second the mode from the relative form technique, in way from avoid swellings of the next waterproofing system.

• ***Sheath bituminous traditional and/or slate***

Check the condition of the bituminous sheathing and make sure it has been laid for at least 8 years. months: any swelling must be cut centrally and subsequently you rewelded with a torch or sealed with FLEXIBIT. The same operation must be carried out on the vertical edges and along the joints (if the bituminous sheathing And in advanced state of degradation And detached totally from the support must to be removed- Proceed with a thorough cleaning of the surface and apply a primer with a roller anchoring: NAI 45 or NAI 45 H ($180\text{-}200 \text{ gr/m}^2$).

In case of bituminous slate sheathing, first remove the excess slate not perfectly cohesive.

After The bottom anchoring, apply NAILASTIC AP, considering on the sheath slate-you an increase in the consumption (of approx. $600\text{-}700 \text{ gr/m}^2$ from apply to roller or trowel) the application on uneven surface.

• ***Backgrounds in wood***

The panels in wood they must to be in good conditions, well ad herents And mechanically fixed. Done there preparation of the support, apply an additional cover NAILASTIC AP diluted with 10% of water, in place of primer anchoring.

• ***Backgrounds in cement asbestos***

Cleaning the surface avoiding abrasion of the surface and in compliance with the regulations current regulations. Apply the water-based primer with biocidal effect by roller or airless NAI 45 H, for an average consumption of approx. $150 - 250 \text{ gr./m}^2$.

• **Restore of possible slopes**

Check that the substrate is perfectly seasoned, clean, dry and free from loose parts. inconsistent. Also make sure that the substrate is not subject to rising damp. Any form of dirty which anointed, traces of dust or residues of processing must be completely removed, proceed with the preparation and installation of NAI CM RE-LEVEL as technical data sheet.

• **Treatment possible joints**

The supports on which Yes they apply the coverings waterproofing to times not I am continue, being present the different types of joints typical of pavements. Therefore, when preparing to create a waterproofing, such points of discontinuity must be identified and considered during the intervention design phase . While, in Everything is fine case, the surfaces to form of " U " or "L" they go uniforms in surface to form square-rectangular or rectangular shape to avoid possible structural movements that could compromise the coating. The correct treatment of the joints, will allow Of maintain unchanged The Yes-coat of arms waterproof. (See Joints Manual or contact the ours Office Technician).

• **Treatment of the corners**

For guarantee a improve treatment and a major estate in the corners between structures in elevation (parapets, chimneys, through systems, etc.) and floor, first of the application of NAILASTIC AP it is advisable to eliminate the sharp edge by making a light perimeter shell of minimum dimensions 2 cm x 2 cm using NAILSIL POLIMERO or FLEXIBIT.

Preparation of the product

NAILASTIC AP is ready to use.

Before of the application to mix carefully The product for about a minute until to the achievement of a homogeneous consistency.

After the application close again perfectly there packaging For next reuse of the pro-doctor.

Application of the material following the preparation of the surface NAILASTIC AP as waterproofing and protective apply to roller, brush, airless And trowel.

• **Application to roller**

Apply The product in at least 2 coats and in the consumption expected; waiting Between a hand and the other a time to allow the product to harden (about 2-3 hours at 20°C) and however no later than 48 hours (if later, apply a coat of NAI 45 or NAI 45H). Use rollers cordoned to hair long for ensure a correct thickness of the coating.

• **Brush**

Use brushes to bristles soft

• **Airless**

The device must have the following parameters:

Pressure	> 220 Bar
Flow rate	> 5.1 liters/min
Diameter nozzle	> 0.83mm

NB: In consideration from the various brands and quality constructive of the machinery such parameters Anyway indicative And they go Always identified in course of work, in base at the type-logy of the same.

NAILASTIC AP as treatment For asbestos apply to roller, brush and airless

- After the application of the primer anchoring biocide NAI 45 H, to drying happened-ta, apply a coat of NAILASTIC AP diluted with 5% clean water for a average consumption of approx. 350 gr/m².
- After the drying apply a second hand of NAILASTIC AP, in a color towards, diluted with The 5% of waterfall clean for a consumption medium approx. 350gr/m².

All the applications they must to be performed getting layers continue Of thickness uniform-me. Always wait for the layer to harden before applying thenext.

Cleaning tools

Clean all tools after use with water. Hardened product should be removed mechanically. mind.

Appropriate know That, a waterproofing made with a system to base of resins, requires appropriate preparation of the substrates considering that the thicknesses sad That they will realize, expressed in mm, "would highlight" perfectly the possible existing anomalies. A support prepared according to the rules of the art includes, where necessary, the correction of slopes, The filling from the decompressions, there replacement of possibly- there tiles self-propelled, special shavings of the supports visibly cementitious Not smooth.

Possible finishes For NAILASTIC AP

W-REFLEX

TILE FLORING

For the finishes, And necessary wait there maturation of the product That it happens secondHow much reported in the following table:

Times Of wait For the application Of finishes		
	TO 20 °C	TO 10 °C
Coverage with tiles	3 days	7 days
W REFLEX.	1 day	1 day

Ceramic tiles and vitrified mosaics can be applied on NAILASTIC AP using NAI CM KOLFLEX or in alternative a suitable adhesive cementitious For external Of category C2TE S1.

Data technicians

PARAMETER	VALUE
Color	Red, tile red, grey, green and white (the color white offers a Optimal degree Of reflectionsolar SRI (99.5 - ASTM And 1980)
Conservation	18 months from the date Of production preserved inoriginal packaging in a dry place at a temperature included among the 5-30 °C
Nature chemistry	Dispersion acrylic-polyurethane modified
Weight specific	1.45 gr/cm3 ± 0.05
Residue dry	79%
Viscosity	8000 ± 500 mPas (rpm=20, R5, 25 °C)
Out dust (T. 23°C – UR 60-65%)	1 h
Time Of overlap(T. 23°C – UR 60-65%)	2-3 h
Temperature Of application	<ul style="list-style-type: none"> • background: min. +5°C - max. 35°C • environment min.: +1°C - max. 35°C
Temperature min. environmental	+2°C – UR 50%
Consumption	<ul style="list-style-type: none"> • Minimum 1 Kg/m² in two coats as waterproofing • Minimum 700 gr/m² in two hands Of different color,For The asbestos treatment
Surfaces Of application	Cls, sheaths bituminous, ceramic, stoneware, wood,cement asbestos
Thickness movie dry	600-650 micrometers
Temperature Of exercise	-30 °C / +90 °C
VOC	DIR 2004/42/EC: One-component paints with high performance (BA). Limit value for this product (Cat. To the) 140 gr/L. NAILASTIC AP contains 25 gr/L VOC.

MARKING THERE IS	
Regulations EN 1504-2	
Permeability at the CO ₂	SD= 95,892 m
Force Of adhesion For traction live	2.4
Permeability to the steam watery	Class I permeable to the steam watery
Absorption capillary And permeability to the water	0.01 kg/m ² . h ^{0.15} - w ₃ (low)
Humidity of the background	< 5%, it's not humidity allowed rise again

Packages

1 Kg – 5 Kg – 10 Kg– 20 Kg

Warnings

Do not apply: at temperatures below +2 °C – RH 50%. Do not apply on surfaces subject to continues rise again Of waterfall And humidity; on surfaces wet, frosts or in forecast- no Of these in the next 12 hours; in case Of fog persistent; directly on under-funds lighten up or on panels heat insulating (in such case contact The our office technician);directly on surfaces with pH > Of 11.

Avoid water stagnation on the surface of the coating between the layers until complete hardening. When laying, consider that a high humidity level slows down the drying process. product aging and that rain, high dew rate or other precipitation may to wash away The product if not dry.

Keep the packages whole In the They packaging original, in environment dry to temperature between +5 and +35 °C.

In the period next to the application And proportionally to the temperatures more hot, a natural stickiness of the coat may occur which is not to be considered a defect and does not affect the effectiveness, but on the contrary is a quality feature of the product for the high resin content. Such reaction will go to to ease with The pass of time. For the surfaces exposed to view, to the end Of maintain In the time the characteristics of the pro- learned, And appropriate to execute there cleaning periodic, in way from eliminate accumulations Of dirty,the which could reduce it performance in the time.

In case Of contact with eyes, wash abundantly with waterfall And consult immediate-mind the doctor.

When using, wear gloves and protective glasses, use all necessary precautions. For further and complete information regarding the safe use of the product, recommends Of consult the last one version from the form of safety.

For further information on the pose NAILASTIC AP consult The ours Office Technician.

Specifications

- Waterproofing and protection of any type of surface, even walkable ones (roofs plans, balconies, terraces, paving stones solar, covers in type, walls Of foundation, works to be buried, etc.), dry, wet - to be carried out with mono-polyurethane acrylic sheath component fiber-reinforced anti-root, type NAILASTIC AP –Naici-,applied to trowel or roller in consumption not less than 1 kg/m2, to be left exposed, finished with acrylic systems, orFor paste directly floorings Of any kind.

- Painting waterproof protective of slabs in cement asbestos by means of application Of two coats of NAILASTIC AP –Naici-, previous treatment from the surface with primer NAI 45 H, for the encapsulation to norm of law Of type "A", "B" or "C".

Service

NAICI, in addition to its sales offices, offers its customers a TEAM OF SPECIALIZED PERSONNEL for technical assistance and any application of the product.

This sheet is based on our best knowledge of the product. Since we cannot exercise any control over the application of the same and there are multiple variations of use, NAICI assumes no responsibility for the use of the product. Always do reference at the last one version updated from the form technique, available on the site www.naici.it