



Cemenguaina

Sheath liquid waterproofing two-component cementitious to view to high walkability, or tileable.

Description

CEMENGUAINA And a sheath liquid two-component to the water constituted from:

- Component TO: dispersion in waterfall Of resins, fluidifiers and additives selected;
- Component B: mixture Of cements specials and additives reactive accelerators;

CEMENGUAINA And exceptionally elastic, flexible, army with fiber Of glass MAT 225 g/m² or alternatively with TEX-CORE 130 reinforcement fabric, permanently waterproofs any building surface (roofs, terraces, balconies, flat roofs, foundation walls, tanks, swimming pools before laying ceramic coverings). It is applied with a corded roller, brush or airless. Realize a cloak compact, walkable, totally resistant to stagnant water and UV rays, it can remain "exposed" or be covered with flooring using NAI CM KOLFLEX type glue (cat. C2 TE S1). As an alternative to tiles, to limit the rise from the quote exalting aesthetics And practicability, CEMENGUAINA Yes can to cover-up with CERAMIC (coating aestheticizing to base Of quartz colored), PRACTICE (decorative resin, colored, single component in pasta), with NAIRETAN 200 POLYURETHANE/G (elastic coloured coating) and with FLEX CAR for driveable surfaces.

Use

CEMENGUAINA can to be applied on the major part of the supports, Also wet (not wet) and to low temperatures. Army And The Perfect system waterproofing For flat roofs, balconies, terraces, flat roofs, roofing in general, perimeter walls, chimneys, balcony fronts, tanks and swimming pools.

NB: the swimming pools, waterproofed with CEMENGUAINA, they can be covered directly with tiles using the NAI CM KOLFLEX (Naici) glue and a suitable grout for sealing the gaps. Or they can be finished with the aesthetic CERAMIC POOL coating (Naici) which guarantees excellent resistance to chlorinated water, or with the colored coating NAIRETAN POOL FINISH.

Advantages

- Exceptional characteristics Of adhesion on any type Of support
- Extreme ease And speed Of application
- Applicable Also to low temperatures And on funds slightly wet
- Maturation in short times
- Suitable to the gluing direct from the tiles Also After long period
- Allows Of maintain the quote existing In the case of the execution Of a flooring
- Protects The screed below from assaults chemical and environmental
- Can stay on sight

Ways to use

Surface quality

The substrate must be regularly mature, structurally stable and free from dirt, efflorescence, excessive humidity, oils, greases, etc.

Furthermore, any traces of previous coatings and flaking materials that could compromise the adhesion of the product must be removed using suitable machinery.

THE consumption indicated I am from consider on surface perfectly smooth And to the net Of possible dilutions.

Preparation from the surface

- **Support in cement And concrete**

AND necessary to execute a accurate cleaning of the support, atta to remove parts incoe-

rents, dust, mosses, oils And whatever else could be provoke a poor adhesion of the re-coating, then intervene with a sander (single brush) Otherwise, if necessary, perform an acid (NAIDROP or SUPERNET) or basic (SUPER AWAX type) wash, depending on the type of dirt to be removed.

TO followed of the washing, wait 7-10 days to a temperature Of approx. 20 °C.

In the event The support results to be too raw, to carry out a shaving (making it similar to a smooth trowelled plaster) using NAI CM RASANTE cementitious filler ULTRA, or regularize it with NOI CM RE-LEVEL (second form technique), after applying the NAI BY 19 anchoring primer.

Prime the surface by applying a layer of CEMENGUAINA diluted with 10-15% water using a roller.

FOCUS: check the degree of roughness and the "Ph" of the same; in the event that this is greater than 11, measured with appropriate litmus paper, it is mandatory to proceed with the installation of the Primaresina Barriera al Vapore anchoring base (according to the technical data sheet. For the waterproofing of tanks, reservoirs and swimming pools, near of the joint between the floor and the wall you must first create special shells with NAIRETAN GUSCE.

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

Check the adhesion of the tiles to the screed. In case of non-adherence, remove the/the tile/s And fill The empty by means of Malta premixed (type NOI CM RE LEVEL), after applying an anchoring grout between 2 parts of cement and 1 part Of NOI BY 19. To roughen all there surface with sander (single brush) equipped with abrasive disc and/or flexible hose equipped 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 application of CEMENGUAINA.

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

Once the substrate has been prepared, it is necessary to apply a coat of Nai 45 or Nai 45 H (180-200 g/m²).

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

In case of residual humidity, plan to install aerators every 25-30 m², so from allow the evaporation of the water contained In the screed cementitious. For installation of the same remove For a space even at the its circumference, the thickness of the underlying supports (tiles and/or screed) until reaching the previous waterproofing system, taking care not to damage it. Position the aerator and restore the previously removed surface with cement mortar such as "Nai CM Ripristino".

Following suitable preparation of the substrates (as reported above), which must be stable and absorbent, apply the anchoring primer instead of the generally used primers. For surfaces wet called "Primaresina Barrier to the Steam" (350 g/m²) according to the mode from the relative form technique, in way from avoid swellings of the subsequent 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 months: The possible swellings they must to be cut centrally And subsequently rewelded by means of torch to fire. There same operation must to be performed on the lapels verticals And long the joints (if there sheath bituminous And in advanced state Of de- grade And detached totally from the support must to be removed). Proceed with a careful cleaning from the surface and apply to roller a bottom anchoring: NOI 45 or NOI 45 H (180-200 gr/m²).

In case of bituminous slate sheathing, first of all remove the excess slate perfectly cohesive. The bottom anchoring can to be replaced with the application of one layer Of NAILLASTIC BIT (500 g/m²), subsequently apply CEMENGUAINA,

considering an increase in consumption on the slate sheath (of approx. 600-700 g/m²) due to the application on an irregular surface.

• **Backgrounds in wood**

THE panels in wood they must be in good conditions, well adherents And mechanically fixed.

Done there preparation of the support, apply to roller a bottom anchoring: NOI 45 or NAI 45 H (180-200 gr/m²).

In this case, during the reinforcement phase (described below), use the polypropylene mesh called "PE 66 MESH".

• **Supports metallic**

Roughen the surface and remove any rust (if necessary apply NAIRUST rust converter).

Apply the NAI 80 metal surface anchoring primer as per the technical data sheet, drying happened, within 24 hours to cover with CEMENGUAINA. (In cases (For further details, please contact our Technical Office).

• **Restoration of any slopes**

Make sure the substrate is perfectly seasoned, clean, dry and free of loose parts. 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 previous ones must be completely removed, proceed with the preparation and installation of NAI CM RE-LEVEL as per the technical data sheet.

• **Treatment possible joints**

THE supports on which Yes they apply the coverings waterproofing to times Not I am continuous, as there are different types of joints typical of pavements. Therefore, when preparing to create waterproofing, these points of discontinuity must be identified And considered in phase Of design of the intervention. While, in Everything is fine case, the surfaces irregular to form Of "U" or "THE" they go uniforms in surface to square shape or rectangular For avoid the possible movements structural may to compromise The coating. The correct treatment of the joints, will allow Of maintain the waterproof system remains unchanged. (See Joint manual or contact our Office Technician).

Preparation of the product

Slowly pour component B into component A and stir for 2-3 minutes with a mixer equipped with a special impeller, until a smooth, lump-free mixture is obtained.

To facilitate application, add max 10% water during the first coat of paint. of the armor. If necessary, in case Of need (to example in the days very hot), a maximum of 5% water can be added for subsequent coats.

In winter, if you want to speed up the drying process, yes you can add the specific powder additive (purchased separately) to component B in a maximum ratio of 2% by weight (A+B). This procedure must be performed before mixing component B into component A.

Attention: the addition of the additive can slightly vary there tone Of base of the product.

Application of the material

• **Application to roller and/or brush**

Apply a hand Of product with roller cordoned, brush or airless (with appropriate nozzle). On the product Still fresh, to place the armor in fiber Of glass MAT 225, or alternatively the reinforcing fabric TEX-CORE 130 (or in specific cases RETE PE 66) and carefully impregnate it with a subsequent layer of CEMENGUAINA, avoiding the formation of air bubbles.

We recommend the waterproofing Of all the structures in elevation (walls perimeter, pillars, masonry in general), pre-cutting 25-30 cm strips of reinforcement, which cover the vertical wall by at least 10-15 cm and the horizontal surface by at least 10 cm; subsequently Yes can proceed with there surface horizontal, with the trick-

you Of to pose there new armor superimposed Of approx. 5 cm to that stretched out in precedence. The product must be applied in at least four coats, 3-4 hours apart, and in any case preferably no more than 48 hours apart. (if more, apply a coat of NAI 45 or NOI 45H). The layers next they must to be applied to happened drying of the previous ones. The final consumption must be between 2 and 3 kg/m² (depending on the surface absorption and the type of reinforcement used). Finally, visually check that the coat is uniform and free of micro-holes.

Cleaning tools: clean everyone The tools After the use with waterfall. The product hardened go mechanically removed .

AND appropriate know That, a waterproofing made with a system to base of resins, requires appropriate preparation of the supports considering that the thicknesses that will be achieved, expressed in mm, "would highlight" perfectly any existing anomalies. A properly prepared support includes, where necessary, the correction of slopes, the filling of decompressions, the replacement of any self-propelled tiles, and special smoothing of visibly unsmooth cement supports.

Finishes For CEMENGUAINA

CERAMIC

PRÀTIKA

NAIRETAN 200 POLYURETHANE/G

FLOORING IN W-REFLEX TILES

CERAMIC POOL

NAIRETAN POOL

FINISHING

FLEXCAR (in such case foresee double armor)

For the possible application of the coverings Of finish, (second relative form technique), is necessary wait there perfect maturation Of CEMENGUAINA, about 6-7 days to a temperature of approx. 25°CUR 55%.

Ceramic tiles and vitrified mosaics can be applied on CEMENGUAINA using NAI CM KOLFLEX or alternatively a suitable cementitious adhesive for exteriors of category C2TE S1.

Technical Data

PARAMETER	VALUE
Type of product	two-component
Relationship Of catalysis (A:B)	3:1 (liquid:powder)
Color	grey brown, grey clear, red, green
I wait	Component TO: creamy Component B: powder
Weight specific	1.3 Kg/l (after mixing)
Surrender in thickness	0.7 mm/kg/m ²
Waterproof to the water	complete
Permeability to the steam watery DIN 52615	$\mu \sim 1500$
Traction Of elongation	> 65% armed
Load in traction (army)	>300 N/ 5cm
Flexibility	> 100%
Flexibility to Freddo	< - 12°C
Temperature of exercise	from - 20 °C to + 60 °C
Class Of resistance at the slip DIN 51130	"R 11"
Corner medium total Of acceptance	25.0° C \pm 0.5
Pot life	12 \pm 2 hours
Out dust	from 1 to 12 hours (in function from the (external temperature)
T' Of walkability	from 1 to 12 hours (in function from the (external temperature)
T° minimum of filming	> 0 °C
Consumption medium final	<ul style="list-style-type: none"> • 2 - 2.2 kg/m² on surfaces flat • 1 - 1.5 kg/m² on surfaces verticals • 2.5 - 3 kg/m² For swimming pools And on surfaces to be buried
Consumption For hand	max. 0.5 kg/m ²
Type of armor	wool Of glass 225 g/m ² (type MAT Naici) or TEX-CORE 130, PE NET 66
Storage	1 year to temperature included Between +5 And +35 °C distant from humidity And frost.
COV	DIRECTOR 2004/42/EC: Paintings single-component at high performance (BA). Value limit For this product (Cat. A/i) 140 gr/L. CEMENGUAINA contains 4 gr/L VOC.
Cleaning tools	with waterfall (Before of hardening)

MARKING THERE IS	
Regulations EN 14891:2012	
Waterproof to the water	none penetration
Release Of substances dangerous	in the limits by law
Membership to traction initial	0.8 N/mm ²
Membership to traction After thermal aging	1.15 N/mm ²
Membership to traction After dive in waterfall	0.65 N/mm ²
Membership to traction After dive in lime water	0.6 N/mm ²
Membership to traction After cycles frost - thaw	0.5 N/mm ²
Capacity Of crack bridging armed with MAT 225	
In conditions standard (+23°C)	1.42 mm
In conditions (-20° C)	1.65 mm
Capacity Of crack bridging armed with TEX CORE 130	
In conditions (+23° C)	4.20 mm
In conditions (-20° C)	5.41 mm
Regulations EN 1504- 2	
Permeability at the CO ₂	SD = 80,352 m
Force Of adhesion For traction live	1
Permeability to the steam watery	class THE - permeable to the steam watery
Absorption capillary And permeability to the water	0.02 kg/m ² . h ° ¹⁵
Release Of substances dangerous	in the limits by law
Regulations EN 13501- 1	
Reaction to the fire	class BFL

Packages

(Total comp. A+B): Kg 5 - 20 (Pre-dosed)

Warnings

Do not apply: at temperatures below 0 °C; on surfaces subject to continuous rising water And humidity; on surfaces wet, frosts or in forecasts Of these in the next 12 hours; in case of persistent fog; directly on lightweight substrates or on heat-insulating panels (in such case contact The our office technician); directly on surfaces with pH > Of 11.

Cement and/or concrete screeds must be perfectly cured (over 28 days).

Avoid stagnation Of waterfall on the surface of the coating Between The layers until to the complete hardening. In phase Of pose consider That a high badger Of humidity slow down drying of the product and that rain, high dew rate or other precipitation may wash away the product if not dry.

In the presence of water-soaked screeds, arrange for the installation of special aerators (see Technical Manual, "use of aerators" section).

For further information on a correct pose of the product And possible consult The related Manual Technician.

In the period following the application and proportionally to the warmer temperatures, it can occur a natural stickiness of the cloak That Not And from to consider oneself a defect And does not prejudice the effectiveness, but to the on the contrary And a characteristic Of quality of the product For the high resin content. This reaction will diminish over time.

For the surfaces exposed to view, to the end Of maintain In the time the characteristics of the product, it is advisable to carry out periodic cleaning, in order to eliminate accumulations of dirt, which could reduce its performance over time.

During the use, wear the gloves And eyeglasses protective, use all the necessary precautions. For further And complete information regard the use, in way Safe of the product it is recommended to consult the latest version of the safety data sheet.

Specifications

Waterproofing Of any type Of surface walkable (roofs plans, balconies, terraces, flat roofs, roofs in general, foundation walls, flower boxes, hanging gardens, swimming pools, etc.), dry or slightly damp, to be carried out even at temperatures close to 0 °C, with two-component liquid sheath walkable cement type CEMENGUAINA -Naici-, reinforced with wool Of glass from 225 g/m² "MAT Naici" or in alternative The tissue Of reinforcement TEX- CORE 130 (in specific cases with polypropylene net PE 66 net), applied with a corded roller, brush or specific airless in consumption including Between 2 -3 kg/m², (to second of the support and the type of use) to be left exposed, finished with acrylic or polyurethane systems, or to directly glue flooring of any kind.

SERVICE

NAICI, in addition to its sales offices, offers its customers a TEAM OF STAFF SPECIALIZED For the assistance technique And the possible application of the product.

There present form And in base to the ours best knowledge on the product. Not being able to exercise any check on 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 to the latest updated version of the technical sheet, available on the website www.naici.it