



# Guaina C

Waterproofing single component elastic in dust, fiber-reinforced, For all building surfaces.

## Description

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GUAINA C is a waterproofing single component elastic in dust, fibre-reinforced, based on modified cements, polymers and special additives which make the product suitable for the waterproofing Of any surface builder, Also walkable, is from leave "exposed" and cover with tiles.

## Use

Waterproofing of balconies, terraces, And surfaces builders in type, exposed directly exposed to atmospheric agents, even walkable.

Waterproofing Of bathrooms, showers, tubs, swimming pools, balconies, terraces And surfaces builders generally before laying ceramic coverings.

Coating protective flexible For surfaces in concrete For increase there long-term resistance to freeze-thaw attacks and the effects of de-icing salts.

## Advantages

- Easy application Also in vertical by means of the use Of roller, brush, trowel.
- Applicable Also on surfaces humid.
- Excellent adhesion live on any type Of substrate.
- Good permeability to the steam watery.
- Resistant to the rays UV.

## Mode Of 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 is to be considered on a perfectly smooth surface and net of the addition of water (powder only).

### Preparation from the surface

#### • Support in cement And concrete

Necessary to execute a accurate cleaning of the support, to remove parts inconsistent, dust, mosses, oils and whatever else could be provoke a poor adhesion of the re- coating, intervene Therefore with sander (single brush) accompanied from disc abrasive. On surface healthy And clean to wet homogeneously the support with waterfall clean, avoiding stagnant water, and proceed with the application of the product.

Otherwise, if necessary, perform an acid (NAIDROP or SUPERNET) or basic wash (type SUPER AWAX). TO followed of the washing, wait 7-10 days to a temperature Of approx. 20 °C. In case Of support in cement, it will be necessary first of all check the degree Of roughness and The "Ph" of the same; In the case in which This is superior to 11, It is mandatory proceed at the pose in work of the bottom anchoring First resin Barrier Steamed (according to technical data sheet). In case the support is too rough to carry out a shaving (making it similar to a plaster trowelled smooth) using NAI CM RASANTE ULTRA cementitious filler or regularising it with NAI CM RELEVEL (according to the relevant technical data sheets), after applying the NAI BY 19 anchoring primer.

To waterproof tanks, reservoirs and swimming pools to be covered with ceramic coverings, near the joint between the floor and the wall, it is first necessary to 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, re- remove the/the tile/s And fill The empty by means of Malta premixed (type NOI CM RE-LEVEL), previous application Of a grout Of anchoring 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 GUAINA C.

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/m<sup>2</sup>).

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

In case of residual humidity, plan to install aerators every 25-30 m<sup>2</sup>, 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 system waterproofing, doing Attention to Not damage it. Place 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/m<sup>2</sup>) 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 re-welded using a torch or sealed with FLEXIBIT. The same operation must to be performed on implications verticals And long the joints (if there sheath bituminous is 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 an anchoring primer using a roller: NAI 45 or NAI 45 H (180-200 g/m<sup>2</sup>).

In case of bituminous slate sheathing, first of all remove the excess slate perfectly cohesive. After The bottom anchoring, apply SHEATH C, considering an increase in consumption on the slate sheath (of approx. 600-700 gr/m<sup>2</sup>, to be applied with a roller or spatula) due to the application on an irregular surface.

• ***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 must to be totally removed, proceed at the preparation And at the pose Of NOI CM RE-LEVEL as per 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 to be identified And considered in phase Of design of the intervention. While, in Everything is fine case, the surfaces to form Of " U " or "THE" they go uniforms in surface to form square or rectangular to avoid possible structural movements that could compromise the covering. Correct treatment of the joints will allow the waterproof system to remain unchanged. (for more details contact us. 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, before applying GUAINA C it is advisable to eliminate the sharp corner by making a light shell perimeter Of dimensions minimum 2 cm x 2 cm by means of NAISIL POLIMERO or FLEXIBIT.

#### Preparation of the product

GUAINA C presents in dust, from to mix with waterfall clean to the moment of use. According to there methodology Of application knead GUAINA C with the following amount of water\*: (\*water variations  $\pm 5\%$ , also depending on the application temperature).

<b>For sack from 18 kg</b>	
Application to roller, brush And spray	11.5 litres of water (0.64 litres of water for every kg of product);
Application to roller, Alone For possible fiberglass impregnation	13.5 litres of water (0.75 litres of water for every kg of product);
Application to trowel	9 litres of water (0.5 litres of water for every kg of product)

<b>For sack from 9 kg</b>	
Application to roller, brush and airless	5.8 lt Of waterfall (0.64 liters Of waterfall Everything is fine kg of product);
Application to roller, Alone For possible fiberglass impregnation	6.8 lt Of waterfall (0.75 liters Of waterfall Everything is fine kg of product);
Application to trowel	4.5 litres of water (0.5 litres of water for every kg of product)

Prepare the dough in a clean container, first pouring in all the necessary water and adding gradually The product preferably Always under agitation. Mix by agitator mechanical to Bass number Of turns (500 rpm) For at least 3-4 minutes and Anyway until to When the dough results to be homogeneous And deprived Of lumps. Do be careful to remove any lumps of unmixed material from the walls and bottom. Leave rest The material For some minute; Before Of proceed to the application to mix briefly. The product can to be applied within 4 hours from the mixing and can to be worked For about 30 minutes After the application, to a temperature Of 26 °C (at lower temperatures the product's workability time increases slightly). It is therefore advisable to mix the right quantity based on the needs and processing times.

#### Application of the material consequent at the preparation from the surface

GUAINA C apply to roller, to brush, to trowel and to spray.

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

Apply The product in at least 3 hands And in the consumption expected, waiting Between a hand and the other one a time sufficient to allow the hardening of the product (about 4-6 hours to 20 °C) And Anyway Not beyond the 24 hours (if beyond, apply a hand Of NOI 45 or NOI 45H). Use long-haired rollers to ensure correct coating thickness. In case Of interposition Of armor (wool Of glass MAT Naici), this go inglob- bata during in the Before hand Of product prepared as Already indicated. Cross always the direction of application of the hands.

#### • *Application to trowel*

Apply The product in at least 2 hands And in the consumption expected, exercising a light pressure on the surface and waiting, between one coat and the next, for a sufficient time to allow the product to harden (approximately 4-6 hours at 20°C) and in any case no longer than 48-72 hours (if longer, apply a coat of NAI 45 or NAI 45H).

• **Application to airless**

The device second there our experience can have the following parameters: Pressure approx. 1 Bar Free Flow Gun: Nozzle diameter 6mm.

The application must be performed by obtaining continuous layers of uniform thickness. Wait-to-wait Always the hardening of the layer Before Of proceed to the application of the next. Always cross the direction of application of the hands.

**Cleaning tools**

**Clean** all tools after use with water. The hardened product must be removed mechanically .

and appropriate know That, a waterproofing made with a system to resin base, requires appropriate preparation of the substrates considering that the thicknesses That Yes they will realize, expressed in mm, “would highlight” perfectly the any 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 any self-propelled tiles, particular smoothing of visibly unsmooth cement supports.

**Finishes For GUAINA C**

NAIRETAN 200 POLIURETANICO G

COLORBIT

W-REFLEX

NP5 COLOR

COATING CERAMIC

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

Times Of wait For there overlay Of finishes		
	TO 20 °C	TO 10 °C
COVERAGE WITH TILES	3 days	7 days
W REFLEX, COLOR BIT, NP5 COLOR AND OTHER SYSTEMS WATERPROOFING TO THE WATER NAICI	3 days	4 days
NAIRETAN 200 POLIURETANICO G	7 giorni	10 Giorni

Ceramic tiles and vitrified mosaics can be applied on GUAINA C using NAI CM KOLFLEX

## Technical Data

PARAMETER	VALUE
Color	Grey clear
Conservation	12 months from the date Of production preserved in the environment dry And fresh, distant from humidity
Nature chemistry	Polymers synthetics in mixture Of cements and additives
Granulometry	Dmax= 0.300 mm
Waterfall of dough (*variations Of waterfall $\pm 5\%$ , Also in (function of application temperature)	<ul style="list-style-type: none"> <li>• Application to spatula: 18 Kg product + 9 lt of water (0.5 lt of water for every kg of product)</li> <li>• Application to roller: 18 Kg product + 11.5 Lt of water (0.64 litres of water for every kg of product)</li> <li>• Impregnation fiber Of glass with application roller: 18 kg of product +13.5 lt of water. (0.75 lt Of waterfall Everything is fine kg Of product)</li> </ul>
Time Of workability from the application	<ul style="list-style-type: none"> <li>• 30 minutes to 26 °C For application to spatula.</li> <li>• &gt;35 minutes For application to roller</li> </ul>
Duration of the product kneaded (can life)	> 4 hours to 25°C
Weight specific (with waterfall)	1.26 g/cm <sup>3</sup> $\pm 0.05$ (second dilution Of waterfall)
Residue dry	100 %
Temperature Of application	5 – 30 °C
Temperature Of exercise	From -10 °C to 60 °C
Consumption (ref. dust, excluded waterfall Of dough)	Minimum 1.25-1.35 Kg/m <sup>2</sup> For mm (1.2 -1.3 mm thick)
Surfaces Of application	<ul style="list-style-type: none"> <li>• Cls: directly, after wetting the substrate evenly with water (without stagnation)</li> <li>• Ceramic, stoneware, sheath bituminous: after applying NAI 45 or NAI 45 H primer</li> </ul>
Time Of maturation complete	28 days
Thickness movie dry	1.1 mm

## MARKING THERE IS

## REGULATIONS EN 14891-2012

Waterproof to the water	None penetration
Membership to traction initial	1.2 N/ mm <sup>2</sup> after 30 days $\geq 1.7$ N/ mm <sup>2</sup>
Membership to traction After dive in the water	0.94 N/ mm <sup>2</sup> after 30 days $\geq 0.8$ N/ mm <sup>2</sup>
Membership to traction After thermal aging	1.8 N/ mm <sup>2</sup> after 30 days $\geq 1.8$ N/ mm <sup>2</sup>
Membership to traction After dive in lime water	1.15 N/ mm <sup>2</sup> After 30 days $\geq 1$ N/ mm <sup>2</sup>
Membership to traction After dive in chlorinated water	1.37 N/ mm <sup>2</sup> after 30 days $\geq 1.20$ N/ mm <sup>2</sup>
Capacity Of crack- bridging	
In conditions normal to +23 C°	0.99 mm
In conditions -5 C°	0.99 mm
REGULATIONS EN 1504- 2	
Permeability at the CO <sub>2</sub>	SD > 50m
Permeability to the steam watery	Class THE s < 5m
Absorption capillary And water permeability	w < 0.1 kg/m <sup>2</sup> ·h0,5
Force Of adhesion For traction live	$\geq 0.8$ (0.5) (b)

## Packages

Bags from 9 kg And 18 kg

## Warnings

The contact with stagnation Of waterfall can vary there coloring of the product (ex. light whitening), without however compromising its performance. If you want to obtain uniformity of colour, use one of the indicated finishes.

Do not apply: at temperatures below 5 °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.

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 can wash away the product if Not dry. In presence Of screeds impregnated Of waterfall to prepare there installation of special aerators (contact the technical office).

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

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.

In case Of contact with eyes, wash abundantly with waterfall And consult the doctor immediately.

When using, wear gloves and protective glasses, use all 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.

For further information on the pose of GUAINA C consult The ours Office Technician.

## Specifications

Waterproofing and protection of any type of surface, even walkable (flat roofs, balconies, terraces, flat roofs, roofs in general, etc.), both dry and wet, from to be carried out with sheath polymer-cement single component fiber-reinforced, type SHEA- NA C –Naici-, from apply to spatula or roller in consumption Of 1.25-1.35 kg/m<sup>2</sup>, For a finish from leave to view, finish with systems acrylics, polyurethanes, or to cover by means of gluing of any type of flooring.

## **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](http://www.naici.it)