



# Fibroguaina

Sheath liquid single component fiber-reinforced anti-stagnation suitable to the gluing direct Of floors And tiles  
-application to roller or brush-

## Description

FIBROGUAINA And a sheath liquid waterproofing, single component fiber-reinforced-highly elastic, walkable and tileable. FIBROGUAINA is completely resi- resistant to permanent water stagnation and solar rays, therefore it can be permanently left to view or covered with a any flooring. The fibers contained direct- internally avoid the laying of additional reinforcements, directly reinforcing the ma- material And guaranteeing the characteristics Of walkability And the adequate resistances to the ordinary movements structural. FIBROGUAINA is available in the two versions applicable to roller or to spatula (FIBROGUAINA -S).

Respect the requirements expected from the norm UNI EN 13501-5:2016 For the exhibition of the roofs toa external fire, in BRoof class (t2)

## Use

Useful for waterproofing any type of perfectly dry surface. FI- BROGUAINA a Optimal And simple system waterproofing For roofs plans, balconies, ter- rockets, paving stones solar, gutters, walls from to bury And covers in type. (exposed directly to the agents atmospheric or Before from the pose Of coverings ceramics). Suitable to the raincoat- lization Of showers And tubs from bath, Before from the pose of the coating Of finish. Appli- cable on screeds old And new, sheaths bituminous, floors And surfaces builders in type.

## Advantages

- "Out dust" quick with the addition of the additive
- Exceptional characteristics Of adhesion on any type Of support
- Extreme ease And speed Of application
- 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
- Walkable, resistant to the stagnation Of waterfall And to the rays UV
- Not need Of armor Of reinforcement

## How to use

### Quality from the surface

The support must to result regularly mature, to be structurally stable and freefrom dirt, efflorescence, humidity, oils, fats etc.

They go removed, with adequate machinery, possible traces Of previous coverings And but- 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*

AND necessary to execute a accurate cleaning of the support, removing parts inconsistent,dust, mosses, oils And whatever else could be provoke a poor adhesion of the cover-chin; then intervene with a sander (single brush) equipped with an abrasive disc.If necessary to execute a washing acid (NAIDROP OR SUPER NET) or basic (typeSUPER (AWAX). TO followed of the washing, past 7-10 days to a temperature Of approx.20 °C, proceed with the application of FIBROSHEATH.

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 smooth trowelled plaster) using NAI cement filler CM RASANTE ULTRA (according to technical data sheet) or regularize it with Nai CM RE- LEVEL (second form technique), previous application Of a bottom NOI BY 19.

Before starting waterproofing, it is necessary to prime and consolidate the surface applying to roller a hand Of FIBROSHEATH diluted with 20-30 % Of waterfall or alternatively with Nai 45 or Nai 45H. (according to the card) technique).

(Following the dilution of CEMENGUAINA FIBRATA with water, the fibres "separate" will" from the product.

For facilitate there drafting And For avoid possible "accumulations" during the application the fibersthey will be able to also be filtered and removed.)

• ***Resin, tiles in clinker, single-fired, stoneware And everyone the supports to Bass candiesabsorbent***

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 NOI CMRE-LEVEL), after applying an anchoring grout composed of 2 parts of cement and 1 part of NAI BY 19.

To roughen all there surface with sander (single brush) accompanied from disc abrasiveand/or with flexible hose supplied 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-tion of FIBROSHEATH.

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

• ***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>, 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 waterproofing system, taking care not to damage it. Position the a- reactor And restore there surface previously removed with Malta cementitious type "No CM "Restoration".

Following suitable preparation of the supports (as reported above), which must to be stable and absorbent, apply the base instead of the generally foreseen primers anchoring For surfaces wet called "Primaresina Barrier to the Steam" (350 g/m<sup>2</sup>) 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 (180-200 gr/m<sup>2</sup>).

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

After The bottom anchoring, apply FIBROSHEATH, foreseeing on the sheath slate a increase in the consumption due to the application on a surface irregular. On sheath slate, the anchoring base can be replaced with an application of NAILLASTIC BIT (500 gr/m<sup>2</sup>)

• ***Backgrounds in wood***

THE panels in wood they must to be in good conditions, well adherents And mechanicallyfixed. Once the substrate has been prepared, apply an anchoring primer with a roller: NOI 45 or NAI 45 H (180-200 g/m<sup>2</sup>).

• **Supports metallic**

To roughen there surface And remove possible rust, (if necessary apply The with-vertitor of rust NAIRUST).

Apply The bottom anchoring For surfaces metallic NOI 80 as from form technique, to drying happened, within 24 hours to cover with FIBROGUAINA.

• **Restore Of possible slopes**

Check That The support is perfectly seasoned, clean, dry And deprived Of parts inconsistent.

Make sure Furthermore That The support Not is subject to rise again Of humidity.

Any form of dirt such as grease, traces of dust or residues from previous processes teeth must to be totally removed, proceed at the preparation And at the pose Of NOI CM RE-LEVEL as per technical sheet.

• **Treatment possible joints**

The substrates on which waterproofing coatings are applied are sometimes not con- you continue, being present the different typologies Of joints typical from the floorings. For- so much, When There Yes prepare to realize a waterproofing, such points Of disco- inconstancy they must to be identified And considered in phase Of design of the intervention. While, in any case, the "U" or "L" shaped surfaces must be divided into surfaces with square or rectangular shape to avoid possible structural movements that may to compromise The coating. The correct treatment of the joints, will allow Of keep-black the system remains unchanged waterproof. (See Joint manual or contact our Office Technician).

• **Treatment of the corners**

For guarantee a improve treatment and a major estate in the corners Between structures in elevation (parapets, reeds chimneys, plants passers-by etc...) And flooring, Before of the application Of FIBROGUAINA And advisable eliminate the corner live realizing a light perimeter shell of minimum dimensions 2 cm x 2 cm using NAISIL POLYMER or FLEXIBIT.

**Preparation of the product**

FIBROSHEATH And ready for use.

Before application, mix manually until a consistenza homogeneous.

If necessary (for example on very hot days), a 5% water.

After application, close the package tightly for subsequent reuse. product.

In case of using the additive, to create a surface film in less time, with temp-perforations including, Between +5°C And +15°C And UR > 70%, insert the same in measure Of 1.5%on the product weight.

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

FIBROSHEATH Yes apply to roller or brush.

• **Application to roller**

Apply the product in several coats and in the expected quantities, crossing your hands, so thatlet it happen a correct distribution from the fibers. Wait Between a hand And the other one The timenecessary to allow the product to harden and in any case no later than 48 hours. In case Of use of the additive, For create a movie superficial quickly, to checkBefore Of apply a layer next Of product, That The previous results drycompletely For All the thickness, beyond That superficially.

The product, depending on consumption, should be applied in at least four/five coats, consumption per coat must be between 300 and 500 gr/m<sup>2</sup>. The final consumption must be at least 2 kg/m<sup>2</sup> (depending on the absorption and flatness of the surface). Finally, visually check that the coat is uniform. Use rollers cordoned to hair long For ensure a correct thickness of the coating.

#### • Application to brush

Use brushes to bristles soft.

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

AND appropriate know That, a waterproofing made with a system to base Of resins, requires an appropriate one preparation of the supports 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, sario, the correction of slopes, the filling of decompressions, the replacement of any self-propelled tiles, particular smoothing of the visibly non-visible cement supportssmooth.

#### Finishes For FIBROGUAINA

• CERAMIC (max 15 m<sup>2</sup>) • NAIRETAN 200 POLYURETHANE/G • FLOORING INTILES • W-REFLEX

For the possible application of the coverings Of finish, (second relative form technique), it is necessary to wait for the perfect maturation of FIBROGUAINA, approximately 3 days at a time temperature of approx. 25°C. UR 55%

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

#### Technical data

PARAMETER	VALUE
Type Of product	single component
I wait	liquid, dense
Color	white, red, grey, red tile, green
Conservation	12 months from the date Of production preserved in original packaging, in a dry place at a temperature included Between + 10 And +35 °C
Nature chemistry	dispersion styrene acrylic
Weight specific	1.28 gr/cmS ± 0.05
Residue dry	71.5%± 1%
Viscosity (without fibers)	9900 +/-500 mPa*s (rpm= 20, R5)
Temperature Of application	• T° of the background: min. +8°C- max. +35°C • T° environment: min. +5°C - max. +35°C
Temperature Of exercise	-25°C +50°C
Consumption	• min. 2 kg/m <sup>2</sup> in more hands • max. 500 gr/m <sup>2</sup> by the hand
Surfaces Of application	cls, cement, sheaths bituminous, ceramic, stoneware, wood.
Thickness movie dry	1,2 mm (2 kg/m <sup>2</sup> )
Surrender in thickness	0.6 mm/kg/m <sup>2</sup>
Flexibility	>100%
Flexibility to Freddo	< -20°C
Out dust (to 25°C – UR 50%)	max. 4 hours (variable depending on from the T°external)
Drying complete	max. 24 hours (in function from the (external temperature)
Humidity of the background	< 5%, it's not humidity allowed rise again

VOC	DIR 2004/42/EC: One-component paints with high performance (BA). Limit value for this product (Cat. A/i) 140 gr/L. FIBROGUAINA contains 39 gr/L COV.
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MARKING THERE IS	
REGULATIONS EN 1504-2002	
Permeability at the CO <sub>2</sub>	SD = 51,505
Force Of adhesion For traction live	1.4
Permeability to the steam watery	Class THE permeable to the steam watery
Absorption capillary And permeability to the water	0.011 kg/m <sup>2</sup> . h <sup>0.5</sup> - w3 (low)
Reaction to the fire	AND
REGULATIONS EN 14891	
Membership to traction initial	≥ 0.8 N/mm <sup>2</sup>
Membership to traction After dive to waterfall	1.25 N/mm <sup>2</sup>
Membership to traction After agingthermal	1.23 N/mm <sup>2</sup>
Membership to traction After cycles frost-thaw	0.5 N/mm <sup>2</sup>
Membership to traction After divewith water of lime	0.75 N/mm <sup>2</sup>
Waterproof	none penetration
Release Of substances dangerous	in the legal limits
Capacity Of crack bridging	
In conditions standard to +23 C°	2.25 mm
In conditions -20 C°	1.47 mm
UNI EN 13501-5:2016	
Classification to the fire of the products Andof building elements	Broof (t2)

### Packages

1 Kg - 5 Kg - 20 Kg

### Warnings

Allows the application to temperatures to start from +5°C, However For avoid the application on frozen surfaces, it is advisable to operate at temperatures above +10°C. Respect the application temperatures indicated; Do not apply on surfaces subject to continuous rise- fight Of waterfall And humidity; Not apply on surfaces wet, frosts or in forecasts Of these in the next 12 hours; Not apply in case of fog persistent; Not apply directly- mind on backgrounds lighten up or on panels heat insulating (in such case contact The ouroffice technician); Not apply directly on surfaces with pH > Of 11.

In the period following the application and proportionally to the warmer temperatures, can occur a natural stickiness of the cloak That Not And from to consider oneself a defect And Not prejudice the effectiveness, but to the on the contrary And a characteristic Of quality of the product For the elevation- you content Of resins. Such reaction will go to to fade away with The pass of the time.

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

Mix Well manually And Not with mixer mechanical.

Avoid stagnation Of waterfall on the surface of the coating Between The layers until to the complete Hindu- riment. In phase Of pose consider That a high badger Of humidity slow down the drying of the product And That rain, high badger Of dew or other precipitation they can

to wash away The product if Not dry.

For exposed surfaces, in order to maintain the characteristics of the product over time learned, And appropriate to execute there cleaning periodic, in way from eliminate accumulations Of dirty,the which could reduce it performance in the time.

Keep the packages whole In the They packaging original, in environment dry to tempe-  
rature between +10 and +35 °C.

In case of contact with eyes, rinse thoroughly with water and consult a doctor  
immediately. dialy 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 Yes  
recommends Of consult the last one version from the form Of safety.

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

### Specifications

Waterproofing walkable from leave to view or from to cover with next pavi- covering of  
terraces, roofs, balconies, walls and coverings in general, through the application to  
roller or brush Of sheath liquid single component fiber-reinforced called FIBRO-  
SHEATH –Naici- for an average consumption of not less than 2 kg/m<sup>2</sup> to be applied in  
several coats previous cleaning And due preparation of the support from deal with.

Certified in class B<sub>Roof</sub> (t2) for the exposure of roofs to an external fire, according to  
there norm UNI EN 13501-5:2016.

### **Assistenza**

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