



Fibroguaina - S

Sheath liquid single component fiber-reinforced anti-stagnation suitable for direct gluing of floors and tiles
-application to spatula or brush-

Description

FIBROGUAINA-S is a single-component, fibre-reinforced, liquid waterproofing sheath to high elasticity, walkable And tileable. FIBROGUAINA-S And completely resistant to permanent water stagnation and solar rays, therefore it can be permanently left to view or covered with a any flooring. The fibers content- you directly within they avoid there drafting Of further armor, reinforcing directly the material and ensuring the walkability characteristics and adequate resistance to ordinary structural movements.

In the period winter, in presence Of low temperatures and a high badger Of humidity, And It is possible to insert a specific additive inside FIBROGUAINA-S which allows the product to film the surface in less time, avoiding washout in case of rain.

Use

Useful for waterproofing any type of perfectly dry surface. FI- BROGUAINA-S an excellent and simple waterproofing system for flat roofs, balconies, terraces, solar slabs, underground walls and roofs in general. (exposed directly to the agents atmospheric or Before from the pose Of coverings ceramics). Suitable to waterproofing Of showers And tubs from bath, Before from the pose of the coating Of finish. Applicable on old and new screeds, bituminous membranes, floors and building surfaces in general.

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

Mode Of use

Surface quality

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

They go removed, with adequate machinery, possible traces Of previous coverings And materials in the process of detaching which could compromise the adhesion of the product.

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, concrete tiles in grit And cement (or absorbent supports in general)**

It is necessary to carry out a thorough cleaning of the support, in order to remove incoherent parts, dust, moss, oils and anything else that could cause poor adhesion of the coating, intervene Therefore with sander (single brush) accompanied from abrasive disc. If necessary, perform an acid (NAIDROP or SUPERNET) or basic wash. (SUPER (AWAX.) TO followed of the washing, past 7-10 days to a temperature of approx. 20 °C, proceed with the application of FIBROGUAINA. In the case of a concrete support, it will be necessary to check the degree of roughness and the pH of the same. If it is to be too raw, will be necessary shave it (making it similar to a floated plaster smooth) with smoothing cementitious NOI CM SHAVER ULTRA (Second form

technique) or regularize it with NAI CM RE-LEVEL (according to the relevant technical data sheets) after application Of a bottom anchoring NOI BY 19. In the case in which The PH of the cement instead is higher than 11 measured with a specific litmus paper it is mandatory to proceed at the pose in work of the bottom anchoring First resin Barrier to the Steam (according to technical data sheet).

Before starting the waterproofing it is necessary to prime and consolidate the surface with a coat of FIBROGUAINA-S diluted with 20 - 30% water, or alternatively with Nope 45 or Nope 45H. (In followed at the dilution with waterfall the fibers Yes "they will separate " from the product. To make it easier to write and to avoid any errors "accumulations" during application the fibres may also be filtered and removed);

• ***Resin, tiles in clinker, single-fired, stoneware And everyone the supports 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 composed of 2 parts cement and 1 part NAI BY 19.

To roughen all there surface with sander (single brush) accompanied from disc abrasive and/or with 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 FIBROGUAINA-S.

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).

• ***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 there surface previously removed with Malta cementitious type "Nai CM Recovery".

Following suitable preparation of the substrates (as reported above), which must be stable and absorbent, apply the anchoring primer instead of the generally recommended 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 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/m²).

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

After the anchoring base, apply FIBROGUAINA-S, expecting an increase in consumption on the slate sheath due to the application on an irregular surface. On slate sheathing, the anchoring base can be replaced with an application of NAI-LASTIC BIT (500 gr/m²)

• ***Backgrounds in wood***

THE panels in wood they must to 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).

• **Supports metallic**

To roughen there surface And remove possible rust, (if necessary apply The rust converter NAIRUST).

Apply The bottom anchoring For surfaces metallic NOI 80 as from form technique, once dry, cover with FIBROGUAINA-S within 24 hours

• **Restoration of any slopes**

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

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

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 NAI CM RE-LEVEL as per technical sheet.

• **Treatment possible joints**

The substrates on which waterproofing coatings are applied are sometimes not continuous, being present the different typologies Of joints typical from the floorings. Therefore, When There Yes prepare to realize a waterproofing, such points Of discontinuity 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 square or rectangular shaped surfaces to avoid possible structural movements that could compromise The coating. The correct treatment of the joints, will allow Of keep the system unchanged

waterproof. (See Manual of the joints 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, reeds chimneys, plants passers-by etc...) And flooring, Before applying FIBROGUAINA-S it is advisable to eliminate the sharp edge by creating a light perimeter shell with minimum dimensions of 2 cm x 2 cm using NAISIL POLIMERO or FLEXIBIT.

Preparation of the product:

FIBROSHEATH-S And ready for use.

Before application, mix manually until a homogeneous consistency is achieved.

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

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

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

FIBROSHEATH-S Yes apply to spatula or brush.

• **Application to spatula**

Apply The product in more hands And in the consumption expected, crossing the hands, for it to happen a correct distribution from the fibers. Wait Between a hand And the other one The time necessary to allow the product to harden and in any case no more than 48 hours. If the additive is used to create a surface film more quickly, check before applying a subsequent layer of product that the previous one is completely dry throughout its thickness, as well as superficially.

The product, to second of the consumption, go applied in two-three hands. The consumption For hand not must overcome kg 1 For m². The consumption final Not must to be inferior to 2 kg/m² (depending on the absorption and flatness of the surface).

At the end to check visually That The cloak is uniform.

• **Application to brush**

Use brushes to bristles soft

Cleaning tools

Clean everyone The tools After the use with waterfall. The product hardened go removed mechanically .

It is important to know that waterproofing made with a system based on resins, requires an appropriate one preparation of the supports considering That The thicknesses that will be created, expressed in mm, would perfectly "highlight" the any existing anomalies. A properly prepared support includes, where necessary, the correction of slopes, the filling of decompressions, the replacement of any tiles self-propelled, details shavings of the supports cementitious visibly not smooth.

Finishes For FIBROSHEATH- S

• CERAMIC (For max 15 m²) • NAIRETAN 200 POLYURETHANE/G • TILE FLOORING • W-REFLEX

For the possible application of the coverings Of finish, (second relative form technique), is necessary wait there perfect maturation Of FIBROSHEATH-S, about 3 days to a temperature of approx. 25°CUR 55%

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

The escapes Between the tiles they will be able to to be filled with suitable stucco cementitious.

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 stored in original packaging, in a dry place at a temperature between +5 and +35 °C.
Nature chemistry	dispersion styrene acrylic
Weight specific	1.30 gr/ cmS \pm 0.05
Residue dry	70% \pm 1%
Viscosity (without fibers) ???	9900 \pm 500 mPa*s (rpm= 20, R5)
Temperature Of application	Temperature from the surface: <ul style="list-style-type: none"> • min. +5°C- max. +35°C (without additive) • min. +5°C – max +15°C (with additive) Room temperature: <ul style="list-style-type: none"> • min. +5°C - max. +35°C (without additive) • min. +5°C – max +15°C (with additive)
Consumption	min. 2 kg/m ² in more hands. max. 1 kg/m ² per coat
Surfaces Of application	Cls, cement, sheaths bituminous, ceramic, stoneware, wood.
Thickness movie dry	1.15 mm (2 kg/m ²)
Surrender in thickness	0.57 mm/kg/m ²
Temperature Of exercise	-25°C +50°C
Time Of filming superficial (Temp. +7°C - UR 73%)	• 5 hours (with additive) • 24 hours (without additive)
Flexibility	>100%
Flexibility to Freddo	< - 20°C
Out dust (to 25°C – UR 50%)	max. 6 hours (variable in function from the (external temperature)
Drying complete	max. 24 hours (in function from the T° external)
Humidity of the background	< 5% Not And admitted humidity Of rise again
COV	DIRECTOR 2004/42/EC: Paintings single-component at high performance (BA). Value limit For this product (Cat. To the) 140 gr/L. FIBROSHEATH S contains 39 gr/L VOC.

MARKING THERE IS

REGULATIONS EN 14891:2012

Membership to traction initial	0.8 N/mm ²
adhesion to traction After thermal aging	1.23 N/mm ²
adhesion to traction After dive in waterfall	1.23 N/mm ²
adhesion to traction After dive in lime water	\geq 0.5 N/mm ²
adhesion to traction After cycles frost – thaw	\geq 0.75 N/mm ²
Waterproof to the water	None penetration
Release substances dangerous	In the limits by law
Capacity Of crack bridging - Regulations EN 14891:2012	
In conditions standard (+23°C)	4.87 mm
In conditions (-20 ° C)	0.81 mm

Packages

1 Kg – 5 Kg – 20 Kg

Warnings

It allows application starting from temperatures of + 5°C; however, to avoid application on frozen surfaces, it is advisable to operate at temperatures above + 10°C. Respect the application temperatures indicated in the technical data; Do not apply on surfaces subject to continuous rising water and humidity; Do not apply on wet or frozen surfaces or in the event of these in the next 12 hours; Do not apply in case of persistent fog; Do not apply directly on lightweight substrates or on heat-insulating panels (in such case contact The our office technician); Not apply directly on surfaces with pH > 11.

THE screeds in cement and/or concrete they must to be perfectly seasoned (beyond 28 days).

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 characteristic of the product due to the high content Of resins. Such reaction will go to to fade away with The pass of the time. Mix well by hand and not with a mechanical mixer.

Avoid water stagnation on the surface of the coating between the layers until it has completely hardened. 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.

Not apply on surfaces to high stagnation Of waterfall, ensure The normal outflow. 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.

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

In case of contact with eyes, rinse thoroughly with water and consult a doctor immediately.

When using, wear gloves and protective glasses, use all necessary precautions. For further and complete information regarding the safe use of the product, we recommend consulting the latest version of the safety data sheet.

For further information on the pose Of FIBROSHEATH-S consult The ours Office Technician.

Specifications

Walkable waterproofing to be left exposed or to be covered with subsequent paving of terraces, roofs, balconies, walls including those against the ground and roofs in general, by applying with a smooth spatula, brush or rubber squeegee a single-component, fibre-reinforced liquid sheath called FIBROGUAINA-S –Naici- for an average consumption of no less than 2 kg/m² to be applied in several coats after cleaning and due preparation of the substrate to be treated.

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