



Fibrogaina-S Reflex

Sheath liquid to high reflectance fiber-reinforced anti-stagnation. single-component. Applicable with spatula or brush. Index Of reflection (SRI): 111.7

Description

FIBROGUAINA-S REFLEX is a single-component, liquid waterproofing sheath, fiber-reinforced. That with the addition of specific additives guarantees a high reflection of the solar rays thus lowering the temperature of the support on which it is applied. A maturation occurred FIBROGUAINA-S REFLEX presents a total impermeability to the atmosphere, it has unparalleled characteristics of elasticity, resistance to solar rays and environments marine. The fibres contained avoid the installation of further reinforcements, directly reinforcing the material And guaranteeing the characteristics of walkability And adequate resistances to the order- re movements structural caused from vibrations And changes of temperatures.

Use

FIBROGUAINA S REFLEX And a Optimal And simple system waterproofing applicable easily on any support: flat roofs, balconies, terraces, solar slabs and roofs in kind where you want to ensure the reflection of solar rays, decreasing the temperature of the support and particularly indicated For increase the efficiency of the panels photovoltaic. Applicable on any building substrate: concrete, tiles, bituminous membranes, old waterproofing, wood etc...

Advantages

- High reflectance solar
- Exceptional characteristics Of adhesion on any type Of support
- Extreme ease And speed Of application
- Protects The screed below from assaults chemical and environmental
- Walkable, resistant to the stagnation Of waterfall And to the rays UV.

How to use

Quality from the surface

The support must to result regularly mature, 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 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, concrete tiles in grit And cement (or supports absorbents in general).**

It is necessary to carry out a thorough cleaning of the support, in order to remove incoherent, dust, moss, oils and anything else could cause poor adhesion of the coating, then intervene with a sander (single brush) equipped with a disc abrasive. If necessary, perform an acid wash (NAIDROP or SUPERNET) or ba- sico (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 support in concrete, it will be necessary to check the degree of roughness and the pH of the same. In the case results to be too raw, will be necessary shave it (making it similar to a plaster smooth trowelled) with NAI CM RASANTE ULTRA cementitious filler or regularize it with NAI CM RE-LEVEL (according to the relevant technical data sheets) after applying a bottom anchoring NAI BY 19.

In case the pH of the cement is higher than 11 measured with a specific litmus test it is mandatory to proceed with the installation of the anchoring base Pri- little sea Barrier to the Steam (second technical sheet).

To impregnate The support with more hands Of Nope 45 until to reach a consumption medium Of approx. 800 gr/m² in several coats

Before starting waterproofing it is necessary to prime and consolidate the surface with a coat of FIBROGUAINA-S diluted with 20 - 30% water, or in alternative with Nope 45 or Nope 45H. (In followed at the dilution with waterfall the fibers Yes "sepa- will re" from the product. For facilitate there drafting And For avoid possible "accumulations" during the application the fibers they will also be able to to be filtered and removed);

• **Resin, tiles in clinker, single-fired, stoneware And everyone the supports 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 NOI CM RE-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 abrasive and/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 FIBROGUAINA-S.

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

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

In case of residual humidity, plan to install aerators every 25-30 m², 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/m²) 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 by means of 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/m²).

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

After the anchoring base, apply FIBROGUAINA-S, ensuring that the sheath is ar- there was an increase in consumption due to the application on an uneven surface. On slate sheath, 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 NOI 45 H (180-200 gr/m²).

• **Supports metallic**

Roughen the surface and remove any rust (if necessary apply converter of rust NAI RUST).

Apply the NAI 80 metal surface anchoring primer as per the technical data sheet, to drying happened, within 24 hours to cover with FIBROSHEATH-S

• **Restore Of possible slopes**

Make sure the substrate is perfectly seasoned, clean, dry and free from loose parts. inconsistent.

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 be completely removed, proceed with the preparation and installation of NAI 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 continue, being present the different types of joints typical of pavements. Therefore, when preparing to create a waterproofing, such points of discontinuity they 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 For avoid the possible movements structural may to compromise The shore- stimento. The correct treatment of the joints will allow the system to remain unchanged waterproof. (See Manual of the joints or contact The ours Office Technician).

• **Treatment of the corners**

To ensure better treatment and greater hold in the corners between structures in elevation (parapets, chimneys, through systems, etc.) and floor, first when applying FIBROGUAINA-S it is advisable to eliminate the sharp edge by making do a light shell perimeter Of dimensions minimum 2 cm x 2 cm by means of NAISILPOLYMER.

Preparation of the product

FIBROSHEATH-S SLR And ready for use.

Before of the application mix manually until to the achievement Of a consist-homogeneous za.

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

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

FIBROSHEATH-S SLR Yes apply to spatula or brush.

• **Application to spatula**

Apply the product in several coats and in the expected quantities, crossing your hands, so that a correct distribution of the fibres occurs. Wait the right amount of time between one hand and the other necessary to allow the hardening of the product And Anyway Not beyond the 48 hours.

The product, to second of the consumption, it must be applied in two-three hands. The consumption by the hand must not exceed 1 kg per m². The final consumption must not be less than 2 kg/m²(in function of absorption and surface flatness).

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-tea.

AND appropriate know That, a waterproofing made with a system to base

of resins, requires appropriate preparation of the substrates considering that the thicknesses said That Yes 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 possible tiles self-propelled, special shavings of the supports visibly cementitious not smooth.

Technical Data

PARAMETER	VALUE
Type Of product	single component
I wait	liquid dense
Color	white
Nature chemistry	dispersion styrene acrylic
Weight specific (g/cmS)	1.15 ± 0.05
Residue dry	66 %
Surrender in thickness	0.57 mm/kg/m ²
Thickness movie dried (2 kg/m ²)	1.15 mm
Flexibility	100%
Flexibility to Freddo	< -20° C
Temperature Of exercise	from – 25°C to + 50°C
Temperature Of application	from + 5°C to + 35°C
T° minimum Of filming	5th C
Out dust (at 25°C – UR 50%)	6 hours
Walkability (to 25°C – UR 50%)	10 hours
Consumption medium final	minimum 2kg on surface smooth
Consumption For hand	max 1 kg/m ²
Storage	1 year from date of production, stored in original packaging, in a dry place at room temperature included Between +5 And +35 °C distant from humidity
Cleaning tools	waterfall
Viscosity (without fibers)	12,500 ± 500 mPas (rpm=20,R5, 25°C)
COV	DIR 2004/42/CE: Single-component paint with high performance (B/A). Limit value for this product (CAT.A/i) 140 g/l. Fibroguaina S Reflex contains 38 g/l VOC

MARKING THERE IS	
REGULATIONS EN 1504-2	
Permeability at the CO ₂	50 m
Force Of adhesion For traction live	1.4
Permeability to the steam watery	class THE s < 5m permeable to the water vapor
Absorption capillary And permeability to the water	0.011 kg/m ² . h ^{0.15} - w ₃ (low)
Reaction to the fire	AND
Release Of substances dangerous	In the legal limits
Capacity Of Crack Bridging / method trial EN 14891	
In conditions standard (+23°C)	4.87 mm
Final reflectance performance (certificate from INSTITUTE JORDAN (SpA)	
Factor Of absorption solar*	11.9%
Factor Of absorption solar "α ⁹ "*	0.12
Emissivity thermal *	91%
Reflectance solar *	88%

SRI (Index Of Reflection Solar) *	111.7
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Packages

1 kg - 5 kg - 20 kg

Warnings

There reflectance curtains to diminish In the time to cause of the to settle of the dirty on the super- surface, therefore periodic cleaning of the coating is recommended. It allows the application even at temperatures above 5 °C, however it is always advisable to operate at tempera-ture superior to 10 °C for avoid the application on surfaces frosts.

Do not apply on surfaces subject to continuous rising water and humidity; Do not apply on surfaces wet, frosts or in forecasts Of these in the next 12 hours; Not apply- in case of persistent fog; Do not apply directly on lightened substrates or on panels heat insulating (in such case contact The our office technician); Not apply direct- mind on surfaces with pH > of 11.

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

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.

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 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 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.

Store the packages intact in their original packaging, in a dry place at room temperature. turation between + 10 and +35 °C.

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

When using, wear gloves and protective glasses, use all necessary precautions. bails. For further And complete information regard the use, in way Safe of the product- you Yes recommends Of consult the latest version from the form Of safety.

For further information on the installation of FIBROGUAINA-S REFLEX, please consult our office.Technician.

Specifications

Waterproofing walkable Of roofs plans, balconies, terraces, paving stones solar, covers in gender with liquid sheath white, single-component, fibre-reinforced, based on emulsified polymers sion watery And additives specials to high reflectance and emissivity thermal in degree Of imper- to meabilize the surface and reduce its surface temperature and promote dissipation of the heat called FIBROGUAINA S REFLEX Naici. The liquid sheath, applied to spatula for an average consumption of not less than 2 kg/m², will be equipped with a Reflectance Solar (ASMT E 903) ≥ 88%, Thermal emissivity (ASMT C 1371) ≥ 91% and a Solar Reflectance Index SRI≥111.7%.

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