



Fibrogaina Reflex

Sheath liquid waterproofing single component to high reflectance, fibre-reinforced, anti-stagnation

Applicable to roller, brush, airless.

Specification For "Cool Roof": Index Of reflection solar (SRI) 106.7%

Description

FIBROGUAINA REFLEX is a single-component liquid waterproofing sheath, fibre-reinforced, which with the addition of specific additives guarantees high reflection of the sun's rays, thus decreasing the temperature of the surface on which it is applied (Cool Roof). Once matured, FIBROGUAINA REFLEX presents a total waterproof, unparalleled elasticity characteristics, high resistance to rays solar And to the environments marine. The fibers contained they avoid there pose Of further armor, directly reinforcing the material and ensuring the walkability characteristics and adequate resistances to the ordinary movements structural caused from vibrations And changesOf temperatures.

Use

FIBROGUAINA REFLEX And a Optimal And simple system waterproofing applicable easily on any support: roofs plans, balconies, terraces, paving stones solar And covers in type Where Yes wants guarantee there reflection of the rays solar, decreasing there temperature of the support. Apply on supports perfectly dry. AND particularly indicated For increase the efficiency of photovoltaic panels. Applicable on any building support: cement, tiles, sheaths bituminous, old waterproofing, etc...

Advantages

- High index Of reflection solar
- Savings energetic and economic For there air conditioning of the local underlying
- 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 of the support

The support must to result regularly mature, to be structurally stable and free from dirt, efflorescence, humidity, oils, greases etc. Any traces of previous coatings and materials in the process of detaching which may compromise the adhesion of the product they go removed, with adequate equipment. In conditions different And For everyone The usesspecific contact The our Office Technician

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 coating; then intervene with a sander (single brush) equipped with a disc abrasive. If necessary, perform an acid wash (NAIDROP or SUPER NET) or basic (SUPER AWAX type) depending on the type of dirt to be removed. following washing, after 7-10 days at a temperature of approx. 23 °C, proceed with the application of FIBROGUAINA REFLEX

In the case of concrete support, it will be necessary to check the degree of roughness and the "Ph" of the same; in the event that this is higher than 11, it is mandatory to proceed with the installation of the Primaresina barriera vapore anchoring base (according to the data sheet).

Furthermore, in the event that the support is excessively rough, carry out a shaving (making it similar to a plaster trowelled smooth) by means of smoothing

cementitious NAI CM RASANTE ULTRA (according to the technical data sheet), or regularize it with NAI CM RE-LEVEL (according to the technical data sheet), after applying the primer anchoring NAI BY 19.

Before starting waterproofing it is necessary to prime and consolidate the surface with a layer applied to roller Of FIBROGUAINA REFLEX diluted with the 20 - 30% of water, or alternatively with Nai 45 or Nai 45H.

In followed at the dilution with waterfall Of FIBROGUAINA REFLEX the fibers Yes "they will separate" from the product. To facilitate application and to avoid any "build-ups" during the application the fibers will be able to also be filtered and removed.

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

Check the adhesion of the tiles to the screed. In case of non-adhesion, remove the tile(s) and fill the gap with pre-mixed mortar (Nai CM RE LEVEL), after applying an anchoring grout between 2 parts of cement and 1 part of NAI BY 19. Roughen the entire surface with a sander (single brush) accompanied from disc abrasive and/or with flexible accompanied with cup diamond.

If necessary, then perform an acid wash using NAIDROP or SUPER NET. In this case wait approx. 7-10 days at a temperature of 23°C before of the application of FIBROGUAINA REFLEX.

Often, in the terraces Of big surface, covered in tiles, Yes Note there presence of PVC joints that need to be treated beforehand. (For information contact our office technician).

Done there preparation of the support, And necessary apply a hand Of Nope 45 or Nope 45 H (180-200 gr/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, in so as to allow the evaporation of the water contained in the cement screed. For the 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. Place the aerator And restore there surface previously removed with Maltacementitious type "No CM "Restoration".

Following suitable preparation of the supports (as reported above), which must to result stable And absorbents, apply rather than the primer generally expected, The bottom anchoring For surfaces wet called "Primaresina Barrier to the Steam" (350 g/m²) according to the methods of the relevant technical data sheet, in order to avoid swelling of the next waterproofing system.

• ***Sheath bituminous traditional and/or slate***

Check the state from the sheath bituminous and to make sure That is laid down from at least 8 months: any swelling must be cut centrally and subsequently re-welded using a torch or sealed with FLEXIBIT same operation must to be performed on implications verticals And long the joints (if the bituminous sheath is in an advanced state of deterioration and completely detached from the support must to be removed). Proceed with an accurate one 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 remove the excess slate Not perfectly cohesive.

After the anchoring base, apply FIBROGUAINA REFLEX, considering the slate sheath an increase in consumption (of approx. 500 g/m²) due to the application on an irregular surface.

On slate sheathing, the anchoring base can be replaced with the application of a layer of NAILASTIC BIT (500 gr/m²).

• ***Restore Of possible slopes***

Check That The support is perfectly seasoned, clean, dry And deprived Of inconsistent parts. Also make sure that the support is not subject to rising damp 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 Of possible joints*

The substrates on which waterproofing coatings are applied are sometimes not continuous, as the different types of joints typical of pavements are present. Therefore, When There Yes prepare to realize a waterproofing, such points of discontinuity must be identified and considered in the design phase of the intervention. While, in any case, the "U" or "L" shaped surfaces must be divided into square or rectangular shaped surface to avoid possible structural movements may compromise the coating. Correct treatment of the joints will allow Of maintain unchanged the system 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 when applying FIBROGUAINA REFLEX it is advisable to eliminate the sharp edge creating a light perimeter shell with minimum dimensions of 2 cm x 2 cm by means of NAISIL POLYMER.

Preparation of the product

FIBROSHEATH SLR And a product ready for use.

Before of the application to mix manually The product until to the achievement Of a consistency homogeneous.

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

Application of the material consequent at the preparation from the surface

FIBROSHEATH SLR Yes apply to roller, brush And spray

• *Application to roller*

Apply the product in several coats and in the expected quantities, crossing your hands, so that let it happen a correct distribution from the fibers. Wait Between a hand And the other one The time necessary to allow the hardening of the product And Anyway Not beyond the 48 hours.

The product, depending on consumption, should be applied in at least four/five coats, consumption per coat must be between 300 and 500 gr/m². The final consumption must be at least 2 kg/m² (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.

• *Brush*

Use brushes to bristles soft

• *Airless*

The device second there our experience can have the following parameters: Pressure approx. 1 Bar

Pistol to flow free: diameter nozzle 4-6 mm

NB: Taking into account the various brands and construction qualities of such machinery However, the parameters are indicative and must always be identified during the work, in base to their typology.

All applications must be carried out by obtaining continuous layers of thickness uniform. Wait Always the hardening of the layer Before Of proceed to the application of the next.

The consumption indicated is to be considered on a perfectly smooth surface and net of possible dilutions.

Cleaning tools

Clean all tools after use with water. Hardened product should be removed mechanically. mind.

It is important to know that waterproofing made with a system based on 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 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 reflective |
| Nature chemistry | dispersion acrylic to the water |
| Weight specific (UNI EN ISO 2811-1) | 1.15 +/- 0.05 gr/cm ³ |
| Residue dry | 66 % |
| Surrender in thickness | 0.57 mm/kg/m ² |
| Thickness movie dry (2kg/m ²) | 1150 micrometers |
| Temperature Of exercise | -25 °C/+50 °C |
| Temperature Of application | min.: 5°C-max. 35°C |
| Temperature min Of filming | + 5°C |
| Dust free (at 25°C – RH 50%) (Variable in function from the temp. external) | approx. 3 hours |
| Walkability (to 25°C – UR 50%) | 10 hours |
| Consumption medium final | minimum 2 kg/m ² (in more hands) on surfacesmooth |
| Consumption For layer | 300 – 500 g/m ² |
| COV | DIR 2004/42/EC: One-component paints with high performance (BA). Limit value for this product (Cat. A/i) 140 g/l. REFLEX FIBROSHEATH contains 38 g/l COV. |
| Cleaning tools | waterfall |
| 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 |
| ASTM D 2196 | |
| Viscosity | 12500 +/- 500 mPa*s (rpm = 20, - T. 18 °C) |
| ASTM AND 1980-11 | |
| SRI – (Index Of Reflection Solar) | 106.7% |

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|---|--|
| MARKING THERE IS | |
| REGULATIONS EN 1504-2 | |
| Permeability at the CO ₂ | SD > 50 m |
| Force Of adhesion For traction live | 1.5 |
| Permeability to the steam watery | V = 7.6 g/(m ² .24hrs) s = 2.71 m Class THE permeable to the steam watery |
| Absorption capillary And permeability to the water | 0.01 kg/m ² . h ^{0.5} - w _s (low) |
| Reaction to the fire | AND |
| Release substances dangerous | In the legal limits |
| Capacity Of crack bridging - Regulations EN 14891:2012 | |
| In conditions standard to +23 C° | 2.25 mm |
| In conditions -20 C° | 1, 47mm |
| UNI EN 13501-5:2016 | |
| Classification to the fire of the products And of the building elements | B _{ROOF} (t2) |

Packages

1 Kg - 5 Kg - 20 Kg

Warnings

Do not apply: at temperatures below 5 °C; on surfaces subject to continuous rising damp, water and humidity; on wet, frozen surfaces or in the event of these in the following 12 hours; in case of persistent fog; directly on lightened substrates, on panels heat insulating (in this case contact our technical office), or on cement screeds, made on systems insulating in absence Of a layer Of scrolling; directly on surfaces with pH > of 11.

Avoid water stagnation on the surface of the coating between the layers until complete hardening.

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 feature of the product for the high content of resins. Such reaction will go to to fade away with The pass of the time. When laying, consider that a high humidity level slows down the drying of the product and that rain, high dew rate or other precipitation can wash away the product if not dry.

In the case of substrates that have residual humidity (due to precipitation), in order to promote its evaporation more quickly and avoid swelling of the waterproofing layer, it is advisable to install aerators (for more information information contact The ours Office Technician).

Store the packages intact in their original packaging, in a dry place. temperature between +5 and +35 °C.

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

For exposed surfaces, in order to maintain the characteristics of the product, it is advisable to carry out periodic cleaning, in order to eliminate accumulations of dirty, the which ones could reduce it the performances over time.

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 installation of FIBROGUAINA REFLEX, please consult our office. Technician. Check Always the last one update from the form technique consulted.

Specifications

Highly reflective waterproofing of surfaces, including walkable surfaces (flat roofs, balconies, terraces, flat roofs, roofs in general, etc.) for cool roof systems, in the case in which Yes wants increase the efficiency of the panels photovoltaic and/or diminish there temperature from the surfaces, by means of application to roller, brush or airless Of sheath liquid single-component fibre-reinforced called FIBROGUAINA REFLEX –Naici- for a consumption medium Not inferior to 2 kg/m² from apply in more hands previous cleaning And duepreparation of the support from deal with.

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