



Fibrodark

Sheath liquid fiber-reinforced bituminous.
For surfaces exposed And against the ground.

Description

FIBRODARK is a fibre-reinforced liquid sheath made of high-resistance polymer resins, added with highly selected bitumens. The presence of particular glass fibres, allows to the product Of to be applied without interposition Of further armor. Can to be applied on surfaces verticals And horizontal by means of the aid Of roller, brush and smooth steel spatula. FIBRODARK can be walked on, can remain visible or be covered with flooring. The product to maturation happened Yes presents Of color black, can to be coated directly with any type of tile using a special glue with C2TES1 characteristics. FIBRODARK And anti-root second there regulations UNI CEN/TS 14416. Resistant to the UV rays, anti-stagnation.

Use

FIBRODARK, can to be engaged For to waterproof flower boxes, gardens wall units, foundations, underground walls, attics, restoration of bituminous roofs. Apply on perfectly dry surfaces.

The fibres contained directly inside avoid the need for additional reinforcements, directly reinforcing the material and guaranteeing adequate resistance to ordinary structural movements.

Advantages

- Easy application
- Not need Of primer anchoring
- Not provides further armor
- Possibility Of remain to view or to be tiled directly
- Membership on the major part of the supports builders

How to use

Quality of support

The substrate must be regularly mature, structurally stable and free from dirt, efflorescence, humidity, oils, greases, etc. Any traces of previous coatings And materials in away Of detachment That they can to compromise the adhesion of the product must be removed with suitable equipment.

In conditions different And For everyone The uses specific contact The our Office Technician.

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 And concrete*

It is necessary to carry out a thorough cleaning of the substrate, removing loose parts, dust, moss, oils and anything else that could cause poor adhesion of the coating; intervene Therefore with sander (single brush) accompanied from disc abrasive. If necessary, perform an acid wash (NAIDROP or SUPER NET) or basic wash (SUPER type (AWAX). TO followed of the washing, past 7-10 days to a temperature Of approx. 23 °C, proceed with the application of FIBRODARK.

In the event The support would result too raw, to carry out a shaving (making it similar to a plaster trowelled smooth) by means of smoothing cementitious NOI CM RASA-NE ULTRA (second form technique) or regularize it with NOI CM RE-LEVEL (according to the technical sheet), after applying the NAI BY 19 fund.

In case the pH of the cement is higher than 11 measured with a specific litmus paper And obligatory proceed at the pose in work of the bottom anchoring First resin

Barrier to the Steam (second form technique).

FIBRODARK, does not require anchoring primers, unless applied on substrates with phenomena Of pulverization superficial; in such case, Yes recommends Of apply a hand of the product itself, with a roller or brush, use primer, diluted 30% with water.

In followed at the dilution with waterfall Of FIBRODARK 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 can 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 NAI 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 FIBRODARK.

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 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/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: any swelling must be cut centrally and subsequently rewelded by means of torch to fire or sealed with FLEXIBLE. There same operation must be carried out on the vertical edges and along the joints (if the bituminous sheath And in advanced state Of degradation And detached totally from the support must be removed). Proceed with an accurate one cleaning from the surface and apply FIBRODARK. In the case of bituminous slate sheathing, first of all remove the excess slate that is not perfectly cohesive.

Apply FIBRODARK, expecting an increase in consumption on the slate sheath due to the application on an irregular surface.

• ***Backgrounds in wood***

Wooden panels must be in good condition, well-adhered, mechanically fixed and structurally stable.

Done there preparation of the support, apply FIBRODARK.

• ***Supports metallic***

Roughen the surface and remove any rust (if necessary apply NAIRUST rust converter).

Proceed to the application Of FIBRODARK.

• **Restoration of any slopes**

Make sure the substrate is perfectly seasoned, clean, dry and free of loose 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 NOI CM RE-LEVEL according to 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. The correct treatment of the joints, will allow Of maintain unchanged The waterproof system. (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, chimneys, through systems, etc.) and floor, before applying FIBRODARK 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 POLYMER or FLEXIBIT.

Preparation of the product:

FIBRODARK And ready for use.

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

After the application close again perfectly there packaging For next reuse of the product .

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

FIBRODARK Yes apply to spatula smooth Of steel or brush.

• **Application to trowel**

Apply The product in at least two hands, The consumption For hand must to be between 1-1.2 kg/m². The minimum total consumption is 2 kg/m², depending on the condition of the substrate. The application must to be performed crossing the verses Between They in way from to distribute the fibers is in sense longitudinal That transversal. 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.

• **Application to brush**

Use brushes to bristles soft

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

• **Application to roller**

Apply the product in several coats and in the expected quantities, crossing your hands, so that it occurs 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.

The product, to second of the consumption, go applied in at least three/four hands, The consumption for hand must to be included Between the 600 And the 650 gr/m². The consumption final must to be of at least 2 kg/m² (in function of the absorption And from the flatness from the surface). Finally, visually check that the coat is uniform. Use long-haired rollers with a cord to ensure the correct thickness of the coating.

In everyone the cases, For the surfaces the which And expected I ask, The consumption minimum expected And Of 2.5 kg/m².

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

resins, requires appropriate preparation of the supports considering that the thicknesses that will be achieved, expressed in mm, “would highlight” perfectly any existing anomalies. A properly prepared support includes, where necessary, the correction of slopes, the filling of decompressions, the replacement of any self-propelled tiles, and special smoothing of visibly unsmooth cement supports.

Finishes For FIBRODARK

• COLORBIT • NP5 COLOR • W REFLEX • COATING CERAMIC

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

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

Technical Data

| PARAMETER | VALUE |
|---|--|
| Typology | Mono- component |
| I wait | creamy |
| Color | anthracite (within from the packaging) black (after drying) |
| Nature chemistry | membrane styrene acrylic bituminous |
| Weight specific | 1.30 +/- 0.05 gr/cmS |
| Residue dry | 62.5% |
| Surrender in thickness | 0.500 mm/kg/m ² |
| Thickness movie dry | ≥1 mm |
| Viscosity (without fibers) | 13700+/- 500 mPas (rpm 20, R5) |
| Temperature Of application | + 5°C/ + 35°C |
| Temperature Of exercise | -20°C + 65°C |
| Out dust (to temperature Of 23°C – UR 55- 60% (Variable in function from the temp. external) | 6 hours |
| Time Of overlap finishes (to temperature Of 23°C – UR 55-60 %) | 3 days |
| Maturation complete (to temperature Of 23°C – UR 55-60 %) | 3/7 days |
| Consumption For hand on m ² | Spatula: max.1,2 kg +/- 0.05 Roller: max 0.650 kg |
| Consumption minimum in function of the type of the support | • 2 kg/m ² For surfaces from leave to view. • 2.5 kg/m ² For surfaces from to bury |
| Ph | 8.5 |
| Surfaces Of application | Cls, cement, sheaths bituminous, ceramic, stoneware, wood. |
| Conservation | 12 months from the date Of production stored in original packaging, in a dry place at a temperature between +5 and +35 °C. |
| COV | DIRECTOR 2004/42/EC: painting single-component high-performance (B/A). Limit value for this product (CAT.A/i) 140 g/L. FIBRODARK contains 15 g/L VOC |

| MARKING THERE IS | |
|---|--|
| REGULATIONS EN 1504- 2 | |
| Permeability at the CO ₂ | SD = 50 |
| Force Of adhesion For traction live | 1 |
| Permeability to the steam watery | class II - permeable to the steam watery |
| Absorption capillary And permeability to the water | 0.03 kg/m ² . h ^{0 ' 5} - w3 (low) |
| Reaction to the fire | AND |
| Release Of substances dangerous | in the limits Of law |
| EN REGULATION 14891 | |
| Membership to traction initial | 0.97 N/mm ² |
| Membership to traction After dive to waterfall | 0.64 N/mm ² |
| Membership to traction After thermal aging | 1.21 N/mm ² |
| Membership to traction After cycles frost- thaw | 1.18 N/mm ² |
| Membership to traction After contact with waterfall of lime | 0.67 N/mm ² |
| Membership to traction After contact with chlorinated water | 0.79 N/mm ² |
| Waterproof to the water | 0.6 none penetration |
| Capacity Of crack- bridging | |
| In conditions normal to +23 C° | 5.15 mm |
| In conditions -5 C° | 3.01 mm |
| In conditions -20 C° | 1.17 mm |
| UNI CEN/TS 14416 | |
| Resistance at the penetration from the roots | None penetration Of roots |

Packages

1 Kg – 5 Kg – 20 Kg

Warnings

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 fog persistent; directly on backgrounds lighten up, on panels thermo-insulating (in such case contact The our office technician), or on screeds cementitious, made on insulating systems in the absence of a sliding layer; directly on surfaces with PH > 11.

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

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 may wash away the product if not dry.

Before burying the surfaces waterproofed with FIBRODARK it is recommended to protect The cloak from possible injuries or tears deriving from from shots Of bodies blunt. TO in this regard Yes can apply a membrane ashlar in polyethylene to high density or in alternatively a double layer of 400gr/m² TNT.

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 included Between +5 And +35 °C. In case Of contact with eyes, wash abundantly with water and consult a doctor immediately.

During the use, wear the gloves And eyeglasses protective, use all the necessary pre-cautions. For further And complete information regard the use, in way Safe of the product-

you Yes recommends Of consult the last one version from the form Of safety.
For further information on the pose Of FIBRODARK consult The ours Office
Technical. Always check the latest update of the technical sheet consulted.
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.

Specifications

Waterproofing of attics, flat roofs, retaining walls, flowerbeds, hanging gardens,
restoration of bituminous membranes using a paste waterproofing membrane called
FIBRODARK (NAICI) with an average consumption of approximately 2-2.5 kg per m² to
be applied in several coats both longitudinally and transversally with a roller, brush or
trowel.

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