



WATER- PROOFING SYSTEMS

PROFESSIONAL SOLUTIONS FOR BUILDING PROJECTS



MADE IN ITALY



WATERPROOFING SYSTEMS

1

UNDERGROUND FOUNDATIONS AND STRUCTURES



FOUNDATION WALLS **POSITIVE PRESSURE**

PAGE 4

WALLS IN UNDERGROUND SPACES **NEGATIVE PRESSURE**

PAGE 6

FLOORS IN UNDERGROUND SPACES **NEGATIVE PRESSURE**

PAGE 8

2

CONCRETE BEDS



BENEATH THE CONCRETE BED

PAGE 12

ABOVE THE CONCRETE BED BEFORE THE FINAL CASTING

PAGE 14

3

TERRACES AND BALCONIES



THE LIVEABLE TERRACE **BETONGUAINA EASY-LAST 901**

PAGE 18

TERRACE FINISH WITH **COLOURED RESIN**

PAGE 24

TERRACE AND BALCONY FINISHING WITH **DIRECT BONDING OF TILES**

PAGE 26

TERRACE FINISH WITH **AQUALAMINE SYSTEM**

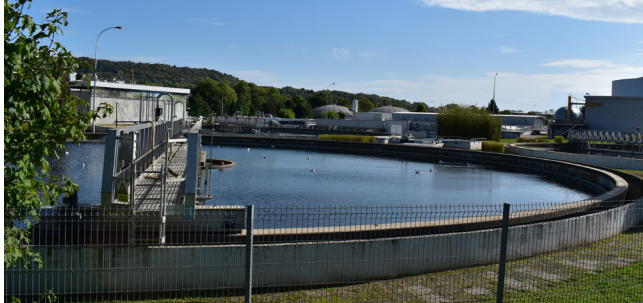
PAGE 28

We have put our signature on many major technological innovations in the waterproofing industry over the past 30 years.

It has always been performed following absolute scientific rigour and application that led to the essential creation of an exceptional team of applicators for our INTEGRATION PROGRAM.

This publication is designed to be a simple and accessible guide to the complex world of WATERPROOFING PRODUCTS to allow everyone to understand and choose the most appropriate application system for their needs.

4 TANKS AND RESERVOIRS



NON-CORROSIVE AND DRINKING WATER

PAGE 32

CORROSIVE AND CONTAMINATED WATER

PAGE 34

RESERVOIRS FOR CONTAINING AND STORING LIQUIDS AND PRODUCTS FOR HUMAN CONSUMPTION

PAGE 36

5 WELLNESS AND SWIMMING POOLS



WATERPROOFING LAYER UNDER TILES PERMANENT WATER

PAGE 40

WATERPROOFING LAYER UNDER TILES NON-PERMANENT WATER

PAGE 42

BONDING AND SEALING OF TILES AND MOSAICS WITH HIGH-RESISTANCE REACTIVE PRODUCTS

PAGE 44

6 DRIVE-OVER ROOFS, SECTION PLANTERS AND ROOF GARDENS



DRIVE-OVER ROOFS ELASTOMER COVERING WITH ARMoured TOP LAYER

PAGE 48

SECTION PLANTERS AND ROOF GARDENS

PAGE 50



UNDERGROUND FOUNDATIONS AND STRUCTURES



**FOUNDATION
WALLS**
POSITIVE PRESSURE
PAGE 4



**WALLS IN
UNDERGROUND
SPACES**
NEGATIVE PRESSURE
PAGE 6



**FLOORS IN
UNDERGROUND
SPACES**
NEGATIVE PRESSURE
PAGE 8



FOUNDATION WALLS

POSITIVE PRESSURE

Any underground structure, from a foundation wall made of concrete or masonry to cementitious end-products, must be protected from contact with the water present in the subsoil in order to prevent wetting and consequent degradation.

The ideal protection cycle must be safe and easy to apply even by normal building site labourers. Before laying the waterproofing membrane, it is important to proceed with the elimination and grouting of spacers and the rounding (fillet) of the angle between the vertical section and the concrete bed with GROVE RIPRISTINO, an anti-shrinkage Thixotropic Mortar in class R3.

TECHNICAL SPECIFICATIONS



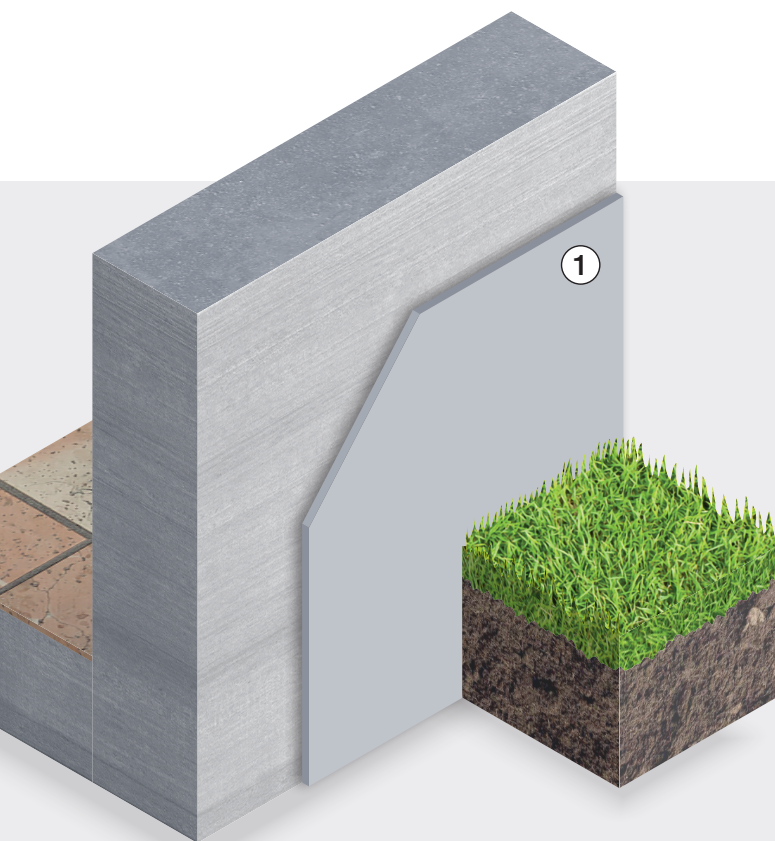
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

1

WATERPROOFING

BETONGUAINA BASEMENT

BI-COMPONENT CEMENT-BASED WATERPROOFING PRODUCT



PACKAGE



DESCRIPTION

Liquid elastomeric, polymer-cement membrane for dry or damp substrates that can also be used in structures burdened with condensation.

It dries even if immersed in water. Therefore, it is ideal for the waterproofing of recently-cast structures and in the interventions to be carried out in cold and wet weather conditions.

Excellent for the waterproofing treatment of tanks used to contain drinking water or non-drinking water which is not chemically aggressive.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Float trowel application





WALLS IN UNDERGROUND SPACES NEGATIVE PRESSURE

The waterproofing in negative pressure of an underground space requires two different cycles for walls and floors.

Walls must be effectively treated with an osmotic system based on NORDCEM PRIMER, a hydro-alcoholic osmotic primer and NORDCEM, a waterproofing cement with osmotic penetration, with the addition (if required) of NORDCEM LAST.

TECHNICAL SPECIFICATIONS



Nordcem Last

FIELDS OF APPLICATION



Nordcem Last

CE MARKING



CERTIFICATIONS



PRODUCT RANGE

3

WATERPROOFING

NORDCEM

WATERPROOFING TREATMENT WITH
NEGATIVE PRESSURE

OR

NORDCEM LAST

BI-COMPONENT OSMOTIC
WATERPROOFING PRODUCT

2

PRIMER

NORDCEM PRIMER

PRIMER FOR NORDCEM

1

WATERPROOFING

NORDGROUTH TIXO

MORTAR FOR WATERPROOF STRUC-
TURAL PLASTERS



PACKAGE

DESCRIPTION

APPLICATION

recommended by Nord Resine technicians



NORDCEM is a grey osmotic cement for creating waterproof coatings resistant to counter-pressure for foundation walls, cellars, swimming pools, lift pits, drinking water tanks, wells, etc.

NORDCEM LAST is an elastic, waterproofing and retardant additive, to be optionally added to NORDCEM especially in case of use in very hot and dry spaces.



Mono-component
Nordcem Last: Bi-component



Ready to use



Brush application



Float trowel application



Liquid primer with a strong osmotic action for application prior to treatment with NORDCEM to increase the waterproofing effect of the final coating.



Mono-component



Ready to use



Applied with a roller



Brush application



Fibre-reinforced expanding thixotropic mortar for restoring structural concrete structures, with or without steel reinforcements. Particularly suitable for concrete restoration interventions in waterproofing with positive or negative pressure. Ideal for making waterproof shells between building foundation walls and concrete beds.



Mono-component



Ready to use





FLOORS IN UNDERGROUND SPACES

NEGATIVE PRESSURE

The floor must be treated with a multilayer system for wet and green concrete supports made with the laying of the epoxy primer Q-PRIMER and the epoxy, water-based skim coat Q-RASANTE which must be sprinkled with quartz sand to promote adhesion of the subsequent treatments.

The perimeter fillet and the grouting of spacers must be done using NORDGROUTH TIXO – a thixotropic, fibre-reinforced waterproofing R4 mortar.

TECHNICAL SPECIFICATIONS



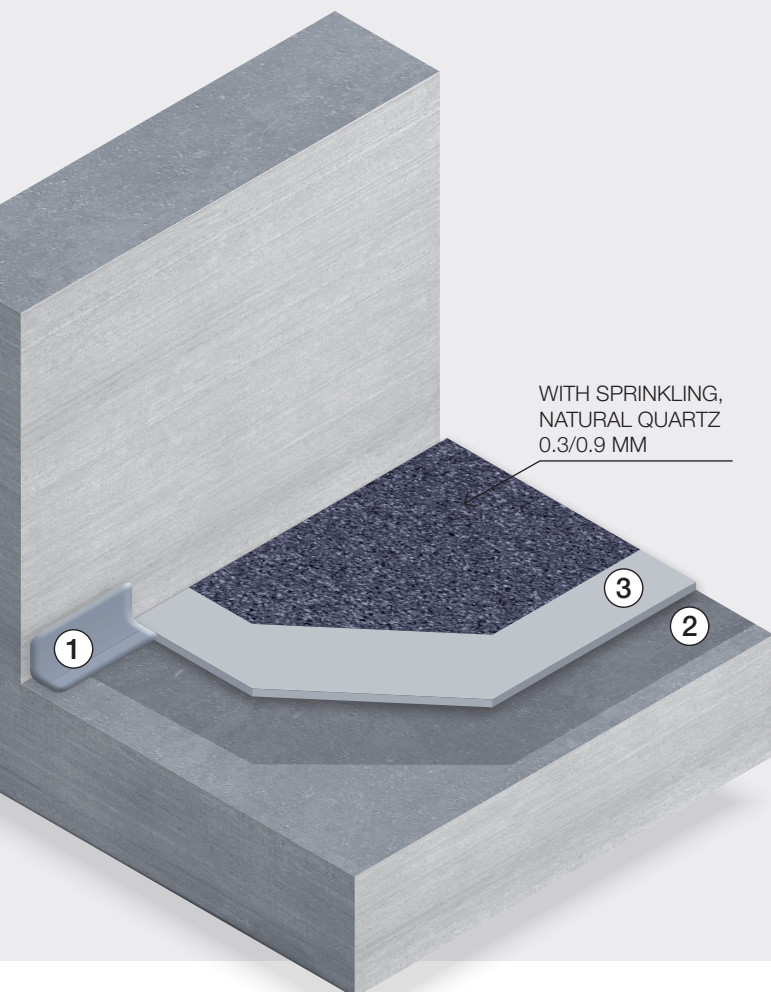
FIELDS OF APPLICATION



CE MARKING

CE	RIVESTIMENTI IN RESINA
	EN 13813
	DESIGNAZIONE SR-B2,0-AR0,5-IR4

CE	PROTEZIONE DEL CALCESTRUZZO
	EN 1504-2 (C)
	PRINCIPI MC-IR



PRODUCT RANGE

3

WATERPROOFING

Q-RASANTE

BI-COMPONENT EPOXY SKIM COAT

2

PRIMER

Q-PRIMER

BI-COMPONENT EPOXY PRIMER FOR
ADHESION ON DAMP CONCRETE

1

WATERPROOFING

NORDGROUTH TIXO

MORTAR FOR WATERPROOF
STRUCTURAL PLASTERS



PACKAGE

DESCRIPTION

APPLICATION

recommended by Nord Resine technicians



Water-based bi-component skim coat specifically designed for treating wet cement surfaces (green concrete) or surfaces with rising damp, to block infiltrations and create a finished surface. Also available in the TIXO version for vertical application.



Bi-component



Float trowel application



Water-based bi-component primer specifically designed for treating wet cement surfaces (green concrete) or surfaces with rising damp, prior to coating with Q series resins.



Bi-component



Applied with a roller



Brush application



Fibre-reinforced expanding thixotropic mortar for restoring structural concrete structures, with or without steel reinforcements. Particularly suitable for concrete restoration interventions in waterproofing with positive or negative pressure. Ideal for making waterproof shells between building foundation walls and concrete beds.



Mono-component



Ready to use





CONCRETE BEDS

Constructing buildings in contact with the ground or below ground level also means protecting against rising water. For reasons of sure performance and costs, Nord Resine proposes to divide the cycles to be applied beneath the concrete bed and those above it.



**BENEATH THE
CONCRETE BED**

PAGE 12



**ABOVE THE CONCRETE
BED BEFORE THE FINAL
CASTING**

PAGE 14



BENEATH THE CONCRETE BED

Creating a waterproof layer beneath the concrete bed requires the use of very special materials which ensure waterproofing as well as resistance to the enormous pressure exerted by the overlying structures and the rapidity of superimposed laying.

A continuous layer of polyurethane rubber with instantaneous cross-linking and application by spraying hot or with slower cross-linking and float trowel or rake application is the safest and most economical method.

TECHNICAL SPECIFICATIONS NORDPUR ROOF SG



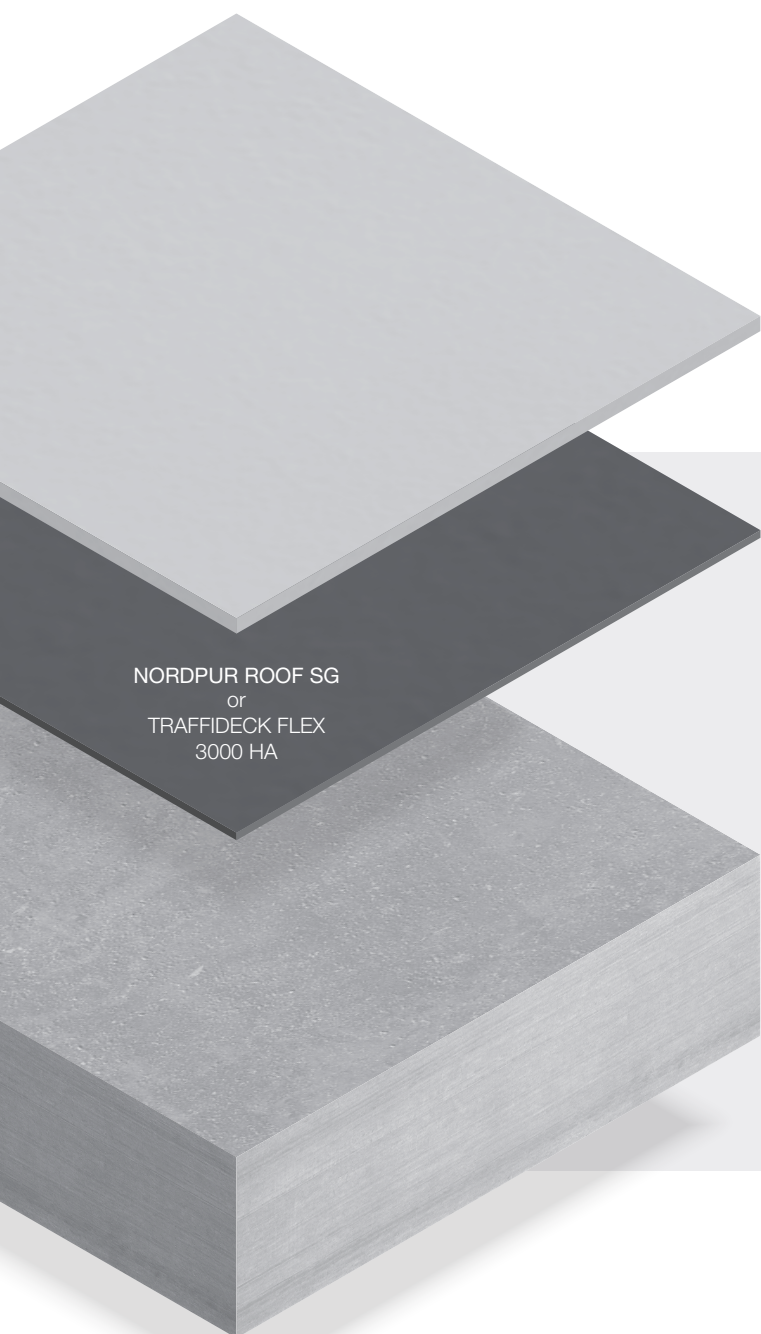
FIELDS OF APPLICATION FOR NORDPUR ROOF SG



TRAFFIDECK FLEX 3000 HA



TRAFFIDECK FLEX 3000 HA



NORDPUR ROOF SG
or
TRAFFIDECK FLEX
3000 HA

1

PRODUCT RANGE

WATERPROOFING

NORDPUR ROOF SG

BI-COMPONENT POLYUREA-BASED
WATERPROOFING PRODUCT



OR

TRAFFIDECK FLEX 3000 HA

BI-COMPONENT POLYUREA-BASED WATERPROOFING
PRODUCT FOR MANUAL APPLICATION.





PACKAGE



DESCRIPTION

Bi-component liquid membrane to be applied by spraying with BI-MIXER machines for positive pressure waterproofing of concrete beds, floor slabs and foundation walls. Suitable for sites measuring at least 400 m². The benefits of NORDPUR ROOF SG are considerable, due to the finished membrane's ability to dry within a few seconds and be buried or covered with subsequent treatments no later than the next day, in any weather conditions.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Spray application



FLEX 3000 HA

Bi-component liquid membrane to be applied by spraying, float trowel or squeegee for waterproofing under concrete beds, floor slabs and foundation walls. Also suitable for small surfaces; it can be buried or covered with a casting the following day.



Bi-component



Float trowel application





ABOVE THE CONCRETE BED BEFORE THE FINAL CASTING

In this case, a tenacious, elastic and highly-waterproof layer needs to be created with resistance to permanent immersion in water and the product must be capable of correctly forming a film even with high and irregular thicknesses and will often need to be laid on damp or wet substrates.

For waterproofing above concrete beds, to be carried out before further castings or cementitious overlays, the BETONGUAINA family provides a perfect solution.

TECHNICAL SPECIFICATIONS



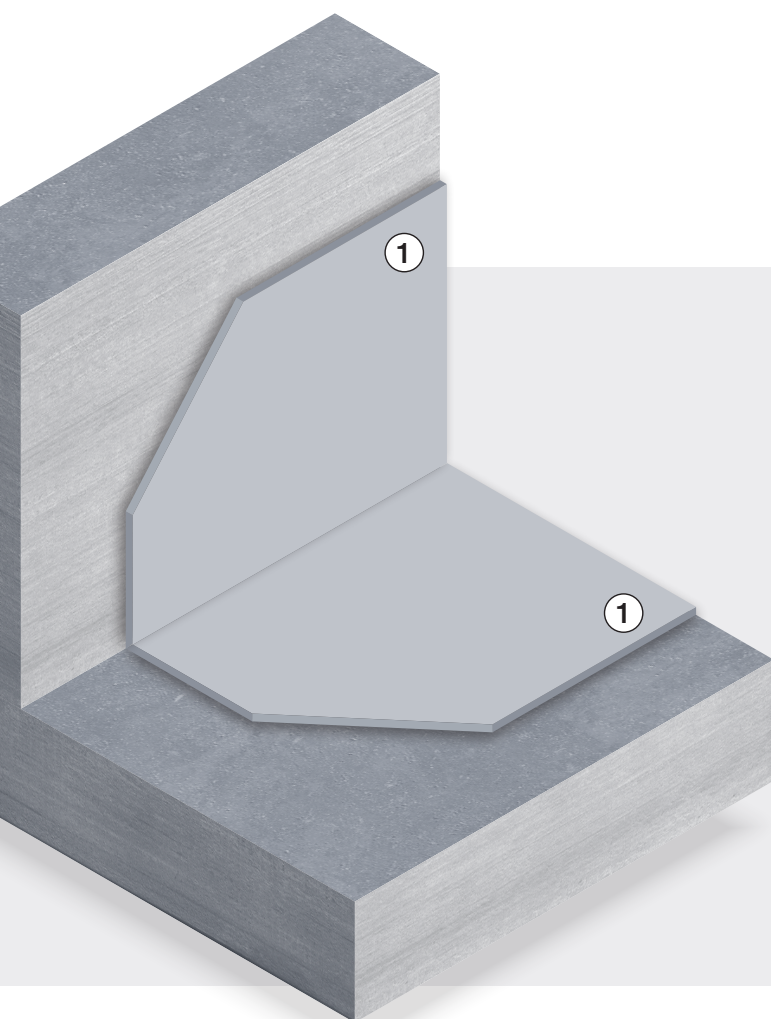
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

1

WATERPROOFING

BETONGUAINA BASEMENT

BI-COMPONENT CEMENT-BASED
WATERPROOFING PRODUCT



PACKAGE



DESCRIPTION

Liquid, bi-component, elastomeric, polymer-cement membrane for dry or damp substrates. Designed for waterproofing above concrete beds to be covered with concrete casts and for waterproofing floor slabs and foundation walls. For waterproofing with negative counterthrust (concrete beds that will not be covered with casts, but coated directly with tiles, stones etc.), apply BETONGUAINA BASEMENT on a substrate treated with BASEMENT PRIMER.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Float trowel application





TERRACES AND BALCONIES

The waterproofing of a terrace and a balcony is based on two walk-over systems, specially designed and developed to the highest degree of safety and liveability in these structures and in those below them.

By choosing a BETONGUAINA system, it will be possible to make breathable, waterproof layers, applicable in any weather conditions and any level of moisture content in the support; designed to be left exposed and for finishing with “direct bonding of the tiles”.

By choosing the Easy Last 901 system, a super-elastic layer will be created which can be applied without any primer on many substrates, and will provide an ideal solution due to its visually-appealing finishes, high solar reflectance and the AQUALAMINE multilayer, sintered-ceramic finish system.



**THE LIVEABLE
TERRACE
BETONGUAINA
EASY-LAST 901**

PAGE 18



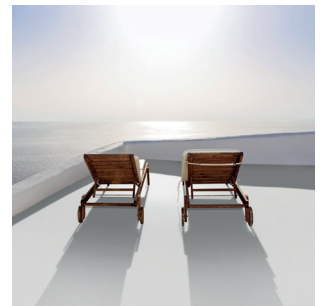
**TERRACE FINISH
WITH
COLOURED RESIN**

PAGE 24



**TERRACE AND
BALCONY FINISHING
WITH
DIRECT BONDING OF
TILES**

PAGE 26



**TERRACE FINISH
WITH
AQUALAMINE
SYSTEM**

PAGE 28



THE LIVEABLE TERRACE

Rain, humidity, frost and heat can jeopardise the strength and integrity of your terrace. NORD RESINE has researched and implemented the best solutions!

The BETONGUAINA family stops water but allows vapour to pass easily, providing protection and durability over time, avoiding the formation of bubbles and keeping the home healthier.



TECHNICAL SPECIFICATIONS BETONGUAINA



Betonguaina.S

FIELDS OF APPLICATION FOR BETONGUAINA



BETONGUAINA

BETONGUAINA is a waterproofing system that is highly breathable to water vapour and allows you to build terraces that guarantee the best possible conditions for the rooms below.

The waterproofing system can be applied under any weather conditions (wet or dry base layers, temperatures between 0 °C e +50 °C). It therefore allows you to work when other systems cannot be used.

BETONGUAINA.S

BETONGUAINA.S is the high-performing version of BETONGUAINA, specially created to ensure a high degree of strength near cracks in the substrate and in critical temperature conditions. A coating made using BETONGUAINA.S and reinforced with NYCON 200 can withstand cracks of up to 2.5 mm at temperatures below -20 °C and up to 1.5 mm at -30 °C.



BETONGUAINA.S is the only highly-breathable liquid waterproofing product that is CE-certified, as prescribed by the European EOTA (ETAG 005 -March 2004) standard for liquid waterproofing membranes for flat roofs with a gradient below 5% in areas subject to harsh weather (-30°C/+80°C).

CE MARKING BETONGUAINA



CERTIFICATIONS



CE MARKING BETONGUAINA.S



CERTIFICATIONS



Conversely, Easy-Last 901 is the ideal coating to adhere to any substrate, even without reinforcement, to combat the URBAN HEAT ISLAND effect and be the base for the first true resin floor for outdoors.

**THE MOST
ADVANCED LIQUID
WATERPROOFING
MEMBRANES IN THE
WORLD**



TECHNICAL SPECIFICATIONS EASY-LAST 901



FIELDS OF APPLICATION FOR EASY-LAST 901



EASY-LAST 901

SELF-LEVELLING WATERPROOFING SYSTEM
WITH HIGH SOLAR REFLECTANCE FOR
TERRACES

EASY LAST-901 is a white, mono-component system, applicable on any substrate and capable of creating perfectly smooth, self-levelling layers.

It can be left as an exposed walk-over surface or finished with EASY LAST COAT coloured cycles, NORTIG 15 ecological finishes for controlling the Heat Island effect, or the AQUALAMINE composite system of resin flooring for outdoors.

CE MARKING EASY-LAST 901

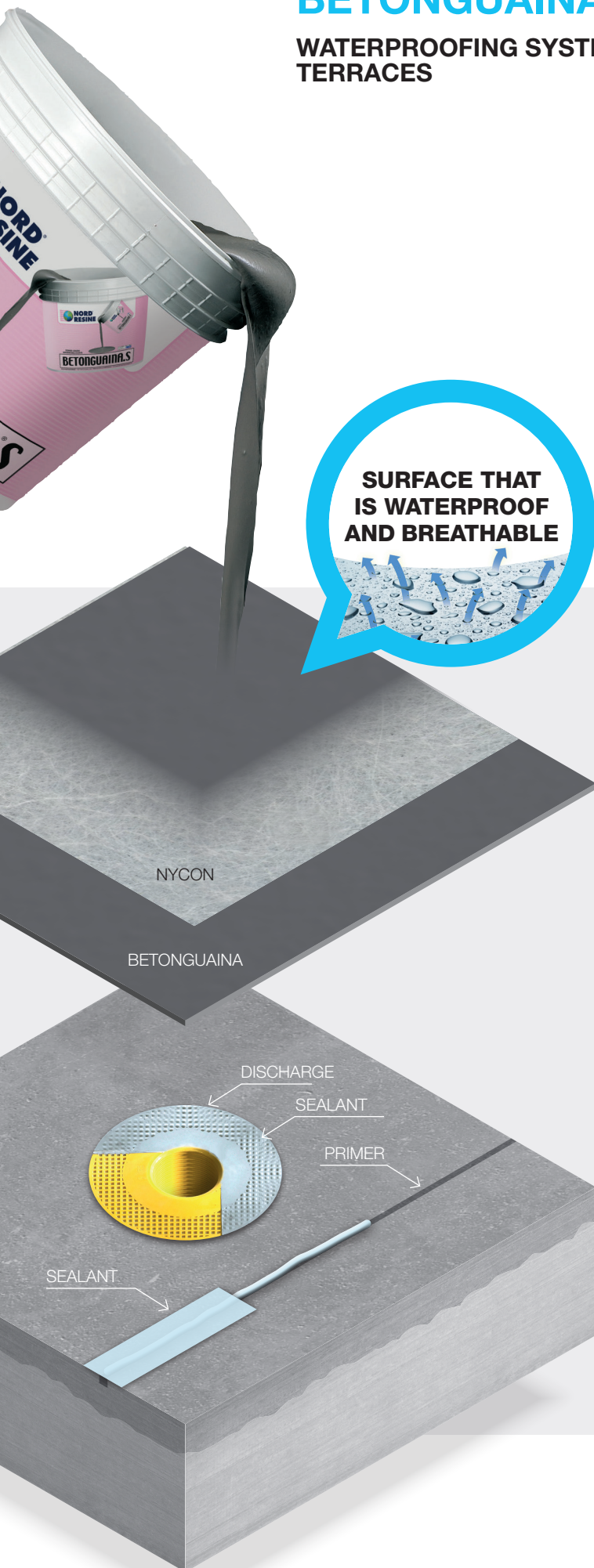


CERTIFICATIONS



BETONGUAINA

WATERPROOFING SYSTEM FOR TERRACES



**SURFACE THAT
IS WATERPROOF
AND BREATHABLE**

THE BETONGUAINA family of waterproofing systems are simple to apply and have exceptional technical characteristics.

The Betonguaina system can be completed with:

- A coloured resin coating
BETON COLOR
- The laying of tiles with
BETON H1
- With the AQUALAMINE outdoor flooring system with sintered-ceramic particles
- With the SRI NORTIG 15 BIANCO High Solar Reflectance cycle

PRODUCT RANGE

2

WATERPROOFING

NYCON

CONTINUOUS STRIP REINFORCEMENT FOR BETONGUAINA

+

BETONGUAINA

BI-COMPONENT WATERPROOFING TREATMENT FOR REINFORCED CONCRETE

OR

BETONGUAINA.S

BI-COMPONENT WATERPROOFING PRODUCT WITH POLYMER AND CEMENT BASE, REINFORCED



1

SEALING

BETONSEAL MS 2.0

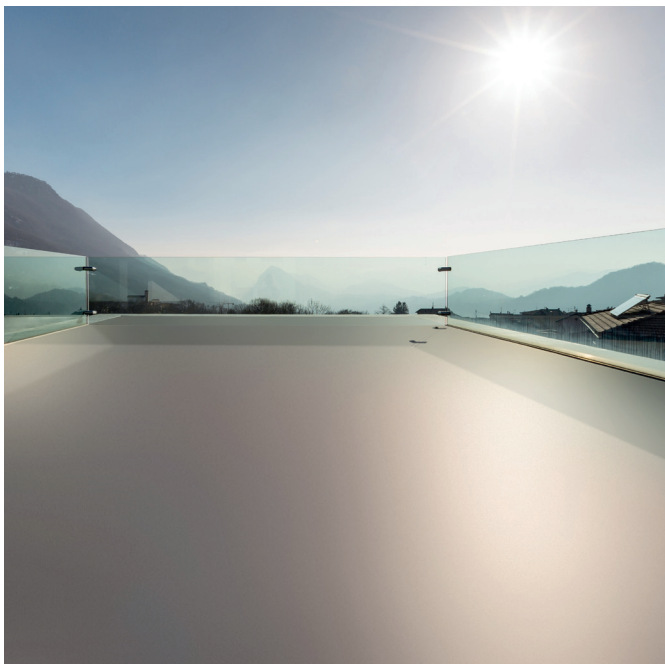
WATERPROOFING ADHESIVE SEALANT

+

PRIMER

NORPHEN FONDO IGRO

SOLVENT-BASED MONO-COMPONENT PRIMER
(Product for a specific use: consult the technical data sheet)



PACKAGE



DESCRIPTION

Bi-component polymer-cement elastomer liquid coating that can be used on wet bases, to be reinforced with a specific reinforcement to create light-fast waterproofing treatments that can be walked on.

Designed for waterproofing flat roofs, balconies and terraces.

APPLICATION

recommended by Nord Resine technicians



Bi-component



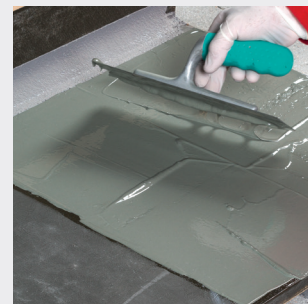
Applied with a roller



Brush application



Float trowel application



BETONSEAL MS 2.0 is a mono-component sealant that can be used to create waterproof shells between footing and walls, in the subsoil, in drains and in pipes before waterproof coatings are applied.

NORPHEN FONDO IGRO is a single-component solvent primer for treating polished and sanded cement surfaces: it eliminates the dust typical of such surfaces in preparation for the application of BETONSEAL MS 2.0.



Mono-component



Ready to use



Applied with a roller
Norphen Fondo Igro



Brush application
Norphen Fondo Igro



Spray application
Norphen Fondo Igro



Trowel application
Betonseal MS 2.0



EASY-LAST 901

**SELF-LEVELLING
WATERPROOFING SYSTEM WITH
HIGH SOLAR REFLECTANCE FOR
TERRACES**



EASY LAST-901 is a white, mono-component system, applicable on any substrate and capable of creating perfectly smooth, self-levelling layers.

It can be left as an exposed walk-over surface or finished with:

- EASY LAST COAT coloured cycles
- NORTIG 15 ecological finishes to control Heat Island effect
- the AQUALAMINE composite system of resin flooring for outdoors.

EASY-LAST 901

PRODUCT RANGE

2

WATERPROOFING

EASY-LAST 901

MONO-COMPONENT SELF-LEVELLING
WATERPROOFING PRODUCT - WHITE



1

SEALING

BETONSEAL MS 2.0

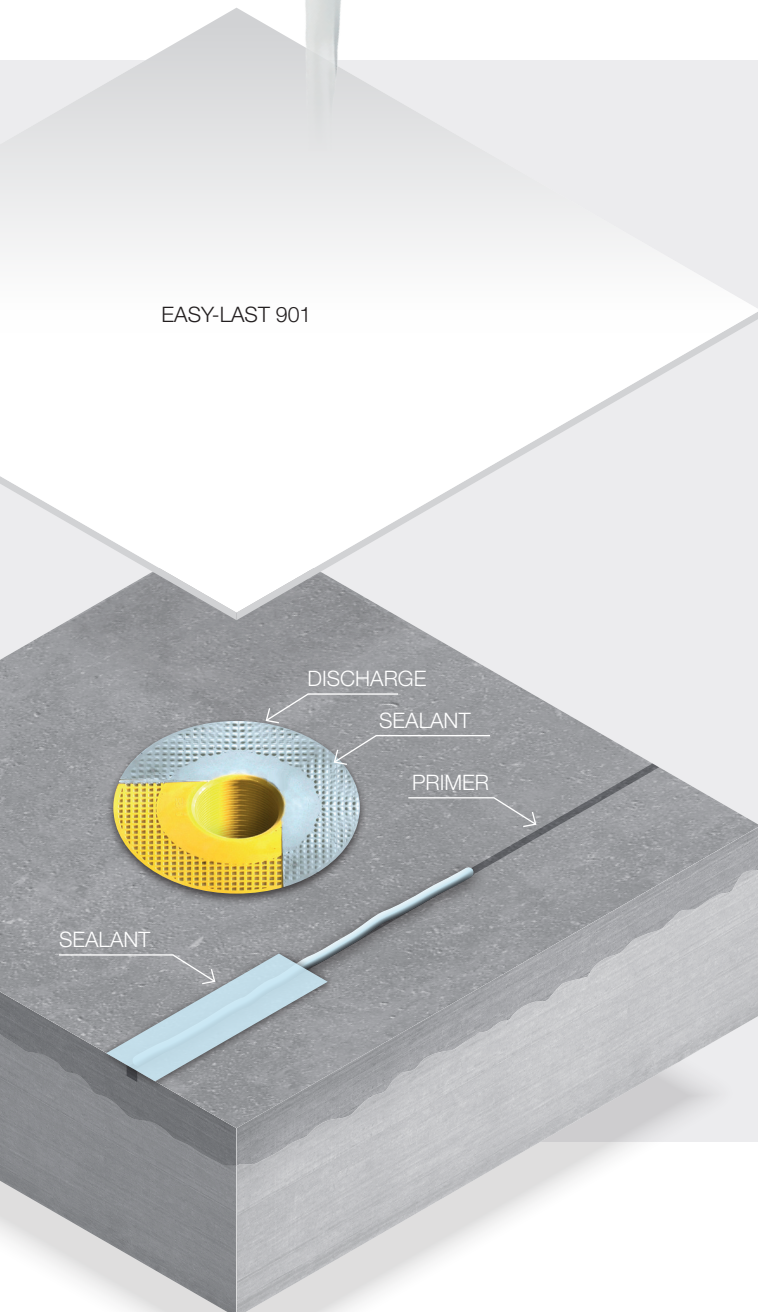
WATERPROOFING ADHESIVE SEALANT

+

PRIMER

NORPHEN FONDO IGRO

SOLVENT-BASED MONO-COMPONENT PRIMER
(Product for a specific use: consult the technical data sheet)





PACKAGE



DESCRIPTION

EASY LAST 901 is a liquid elastomer, mono-component, white self-levelling membrane, with SRI 93 solar reflectance (according to ASTM E 1980), for the waterproof and walk-over coating of flat roofs, terraces, balconies, and any other type of surface (bituminous membranes, PVC sheets etc.). It can be finished with EASY LAST COAT or with NORTIG 15 to provide additional resistance or to change the colour. This is the waterproofing part (and in this case it is strengthened with reinforcement) in coating systems with AQUALAMINE.

APPLICATION

recommended by Nord Resine technicians



Mono-component



Ready to use



Applied with a roller



Brush application



Float trowel application



Spray application



BETONSEAL MS 2.0 is a mono-component sealant that can be used to create waterproof shells between footing and walls, in the subsoil, in drains and in pipes before waterproof coatings are applied.

NORPHEN FONDO IGRO is a single-component solvent primer for treating polished and sanded cement surfaces: it eliminates the dust typical of such surfaces in preparation for the application of BETONSEAL MS 2.0.



Mono-component



Ready to use



Applied with a roller
Norphen Fondo Igro



Brush application
Norphen Fondo Igro



Spray application
Norphen Fondo Igro



Trowel application
Betonseal MS 2.0





TERRACE FINISH WITH COLOURED RESIN

For a coloured finish with a waterproof coating, you can opt for:
BETON COLOR or NORTIG 15 on BETONGUAINA
EASY LAST COAT or NORTIG 15 on EASY LAST 901

You will choose solvent-based systems such as BETON COLOR or EASY LAST COAT if you want to give the terrace an outstanding finish with colours that blend perfectly with your environment and your home, and also if you want to have a non-slip finish that makes it liveable even in adverse weather conditions.

Conversely, you will choose a finish in NORTIG 15, light in colour, for a cycle which guarantees perfect waterproofing, but also respect for the environment and the reflection of solar rays to counteract the URBAN HEAT ISLAND effect.

TECHNICAL SPECIFICATIONS BETON COLOR



EASY-LAST COAT



NORTIG 15



FIELDS OF APPLICATION FOR BETON COLOR



EASY-LAST COAT



NORTIG 15



**SURFACE THAT IS
WATERPROOF AND
BREATHABLE**

PRODUCT RANGE

1

WATERPROOFING

BETON COLOR

BI-COMPONENT ELASTOMER FINISH



OR

EASY-LAST COAT

BI-COMPONENT COLOURED TOP COAT



OR

NORTIG 15

WATERPROOFING PRODUCT
FOR MANUAL APPLICATION



Waterproofing with
BETONGUAINA



PACKAGE

DESCRIPTION

APPLICATION

recommended by Nord Resine technicians



BÉTON COLOR is a bi-component elastomer finish that is water-resistant, UV resistant and suitable for walking on. It is specifically formulated to create monochrome colour finishes on terraces waterproofed with the BÉTONGUAINA and BÉTONGUAINA.S systems. High elastoplasticity to adapt to the elastic movement of the waterproofing product. Long-life and low maintenance costs.



Bi-component kit



Applied with a roller



EASY LAST COAT

It is a bi-component elastomeric coating for colouring EASY LAST 901, which also increases the surface resistance of the substrate: in fact it makes the waterproof layer insensitive to ageing caused by UV rays and water stagnation and to the loads created by chairs and tables.



Bi-component kit



Applied with a roller



Brush application



NORTIG 15

Liquid elastomeric, mono-component, water-based membrane available in various catalogue colours, but customisable on demand. In addition to guaranteeing perfect waterproofing, it offers the reflection of solar rays to counteract the URBAN HEAT ISLAND effect (with SRI 85 solar reflectance on white according to ASTM E 1980).



Mono-component



Ready to use



Applied with a roller



Brush application



Float trowel application



Spray application



TERRACE AND BALCONY FINISHING WITH DIRECT BONDING OF TILES

DIRECT BONDING OF THE TILES is an integrated system, developed by Nord Resine and presented to the SAIE October 1993 which totally avoids any degradation of the screed under the tiles in the simplest way possible: By eliminating it.

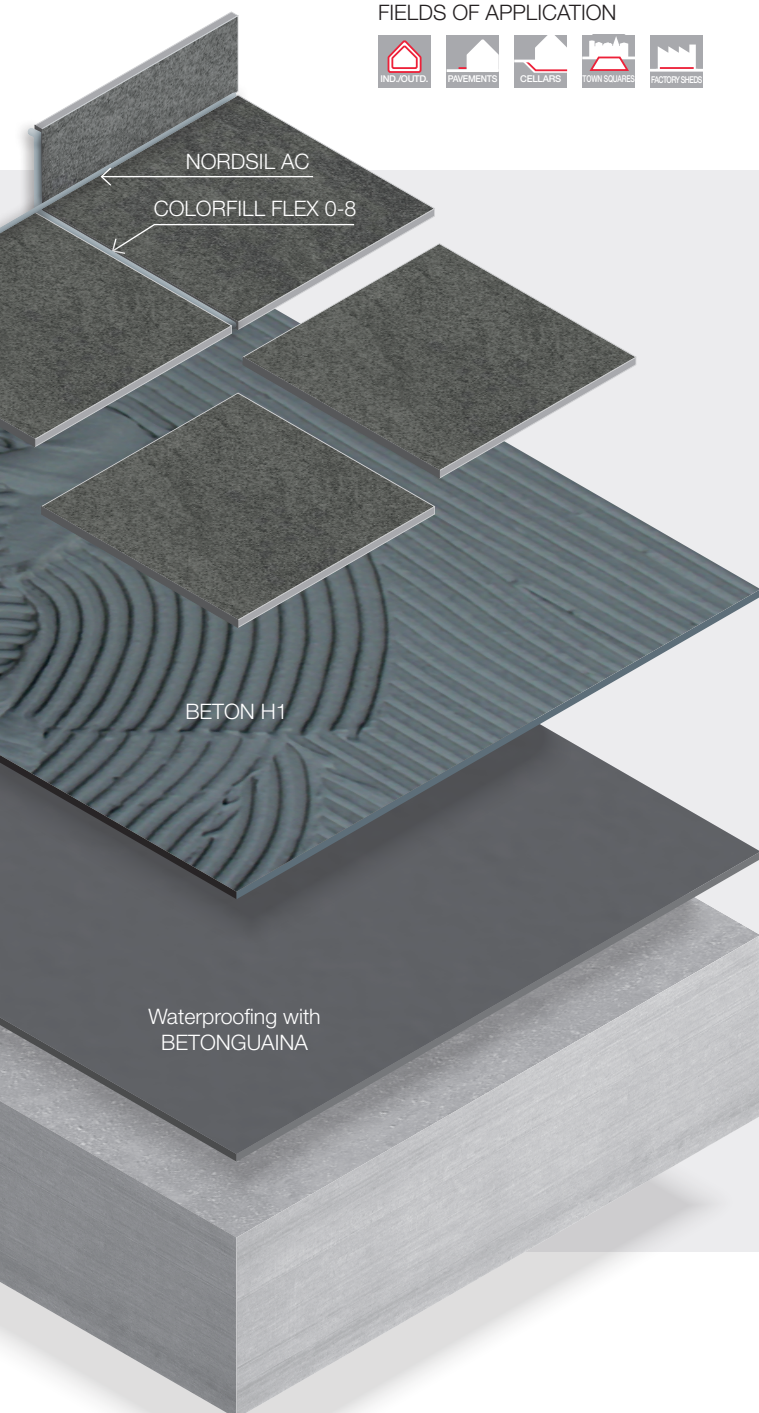
It can be performed on a BETONGUAINA and also on simpler systems with NORTIG and NORTIG 15.

The waterproofing layer must always contain NYCON reinforcement and the coating will be compulsorily implemented with BETON H1.

TECHNICAL SPECIFICATIONS



FIELDS OF APPLICATION



PRODUCT RANGE

3

SEALING

NORDSIL AC

MONO-COMPONENT SILICON SEALANT,
CATEGORY F-EXT-INT (EN15651-1)



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

2

TILE GROUTING

COLORFILL FLEX 0-8

MONO-COMPONENT CEMENT GROUTING,
CATEGORY CG2WA



1

GLUING TILES

BETON H1

MONO-COMPONENT BINDER, CATEGORY C2TE S2



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)



PACKAGE



DESCRIPTION

NORDSIL AC is a mono-component silicon sealant formulated with pure polymers (not modified with solvents or plasticisers). Available in a range of colours identical to COLORFILL FLEX 0-8 for high performance both mechanically and aesthetically. Will not get dirty and remains functional for a long time.

APPLICATION

recommended by Nord Resine technicians



Mono-component



Ready to use



Trowel application



COLORFILL FLEX 0-8 is a mono-component cement grouting, formulated with acid-resistant pigments to ensure longer-lasting performance against acid rain. Its deformability allows for the expansion of tiles decreasing any "pointings" that cause the rupture of grouting.



Mono-component



Float trowel application



BETON H1 is a mono-component binder modified with acrylic resins to give the cured binder a higher level of resistance to submersion in water and atmospheric aggression. HIGHLY DEFORMABLE to allow for the dilation of tiles in the event of temperature changes, without "pointing" or breaking the grouting.



Mono-component



Float trowel application





TERRACE FINISH WITH AQUALAMINE SYSTEM

AQUALAMINE is the NORD RESINE system for creating a visible waterproof layer with finishes that can replace tiles.

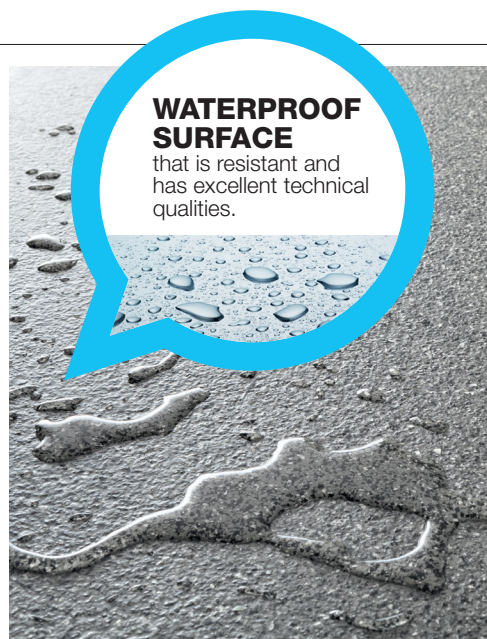
The product creates a strong and continuous surface with exceptional technical properties: waterproof and breathable, anti-slip, resistant to UV rays and non-yellowing.

AQUALAMINE is available in 15 standard finishes and, for large projects, with customised colours.

TECHNICAL SPECIFICATIONS



FIELDS OF APPLICATION



EASY LAST COAT
+
LAMINE

Waterproofing with
EASY-LAST 901
or
BETONGUAINA.S

PRODUCT RANGE

3

RESIN COATING

EASY LAST COAT

BI-COMPONENT TRANSPARENT TOP COAT

+

LAMINE

SINTO-CERAMIC PARTICLES

+

EASY LAST COAT

BI-COMPONENT COLOURED TOP COAT



PACKAGE



DESCRIPTION

EASY LAST COAT is a bi-component elastomer paint that acts as a primer and finish for the Aqualamine system. The system requires an initial coloured coat and fixative for LAMINE and a second transparent coat, for the final protection, to be repeated twice

APPLICATION

recommended by Nord Resine technicians



Bi-component kit



Applied with a roller



Brush application





TANKS AND RESERVOIRS



**NON-CORROSIVE
AND DRINKING
WATER**

PAGE 32



**CORROSIVE AND
CONTAMINATED
WATER**

PAGE 34



**RESERVOIRS FOR CONTAINING
AND STORING LIQUIDS AND
PRODUCTS FOR HUMAN
CONSUMPTION**

PAGE 36



NON-CORROSIVE AND DRINKING WATER

The waterproofing of tanks intended for the containment of non-corrosive water (such as tanks for irrigation, cooling or fire-fighting or to contain drinking water) can be effectively performed by means of simple, safe, economical systems with zero environmental impact, as they are in aqueous emulsion.

The simplest system uses BETONGUAINA BASEMENT due to its easy laying combined with its affordability and compliance with the provisions of Italian Ministerial Decree 174/2004 concerning the containment of water intended for human consumption

TECHNICAL SPECIFICATIONS



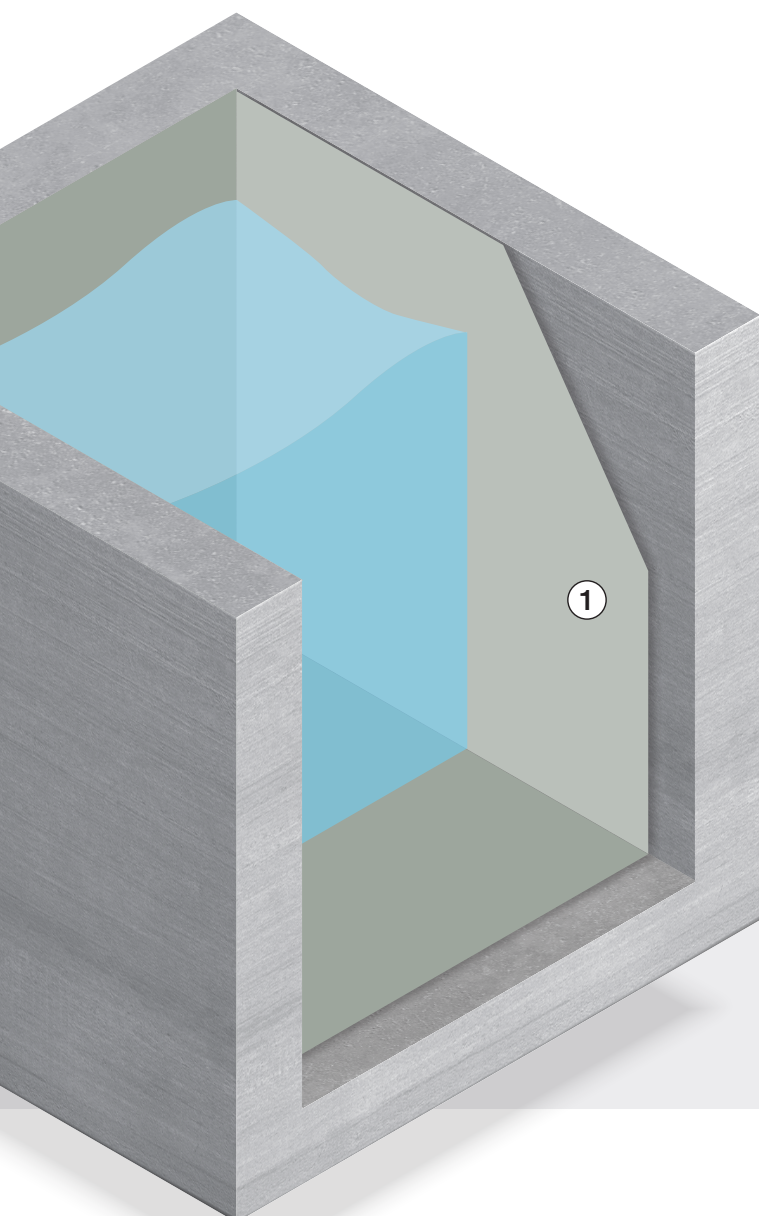
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

1

WATERPROOFING

BETONGUAINA BASEMENT

BI-COMPONENT CEMENT-BASED
WATERPROOFING PRODUCT



PACKAGE



DESCRIPTION

Liquid, polymer-cement, bi-component elastomeric membrane, applicable on dry or wet substrates, suitable for laying on GREEN CONCRETE, with or without reinforcement. It is designed for waterproofing tanks intended for the containment of non-corrosive water and/or drinking water.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Float trowel application





CORROSIVE AND CONTAMINATED WATER

When you have to choose a waterproof system that is safe and easy to apply, for tanks of any structure (which need to contain non-drinking water with medium-high corrosiveness and for discharge or drainage ducts, also in turbulent conditions as happens in wastewater treatment plants) the choice will be towards a formulation specifically developed to be pasty, durable and flexible, with good resistance even against highly-basic water or water which has a low or medium acidity (for high acidity use ESTER VE for the finish).

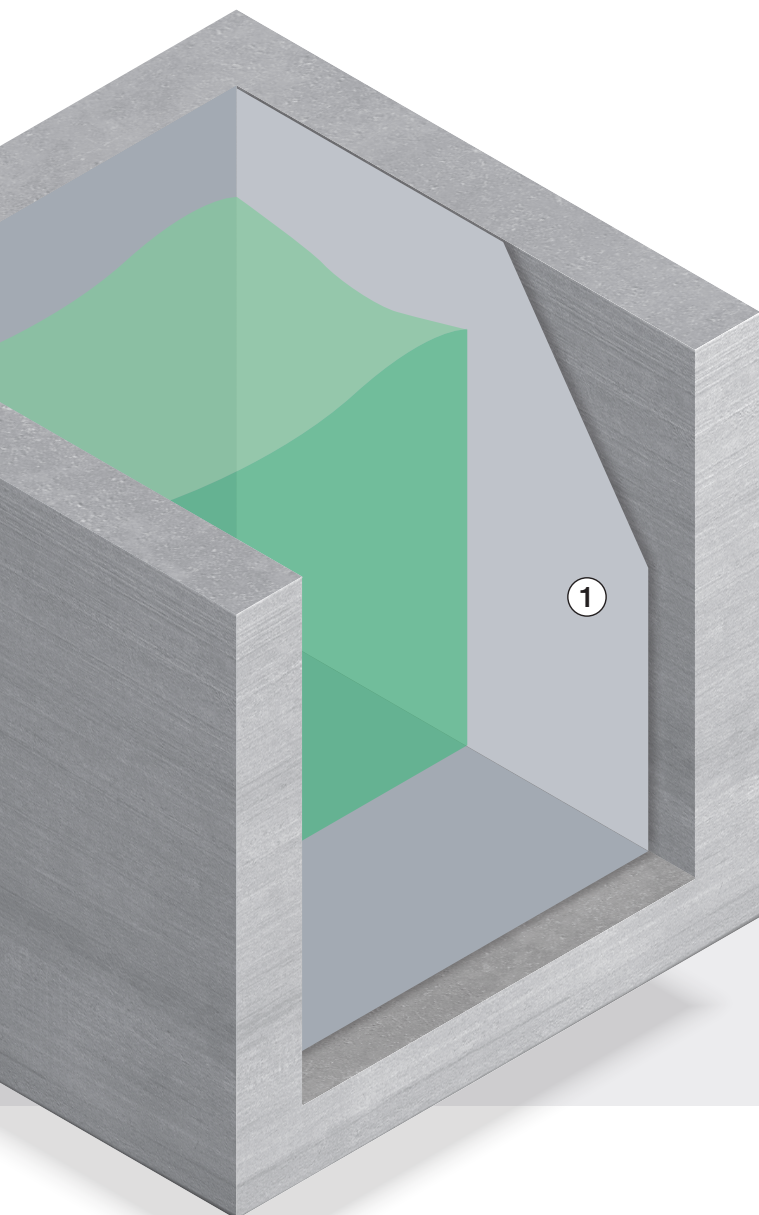
TECHNICAL SPECIFICATIONS



FIELDS OF APPLICATION



CE MARKING



PRODUCT RANGE

1

WATERPROOFING

NORPHEN VASCHE

WATERPROOFING TREATMENT FORMULATED WITH EPOXY RESINS



PACKAGE



DESCRIPTION

Bi-component waterproofing product with epoxy resin base and "white tar" for tanks containing aggressive waters. To be applied on a dry substrate. In the event of wet substrates, before laying NORPHEN VASCHE, apply STONE LC to the surface, sprinkled with activated quartz.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Spray application





RESERVOIRS FOR CONTAINING AND STORING LIQUIDS AND PRODUCTS FOR HUMAN CONSUMPTION

The European legislation (EC Regulation 1935/2004) specifies that liquid products intended for human consumption should be contained in tanks manufactured internally with specific materials or treated internally with coatings formulated from a list of polymers, substances and compounds that are part of a specific list, and must be cured so as not to transfer any substances above a certain limit.

Nord Resine has prepared and tested NORPHEN FOOD at length, in the laboratory and in the field, with tests that are even more stringent than those specified in the Regulation: for example NORPHEN FOOD is perfectly suited for tanks containing alcoholic solutions of Ethanol up to 90% while the Regulation requires the test to be passed with concentrations of 10%.

TECHNICAL SPECIFICATIONS



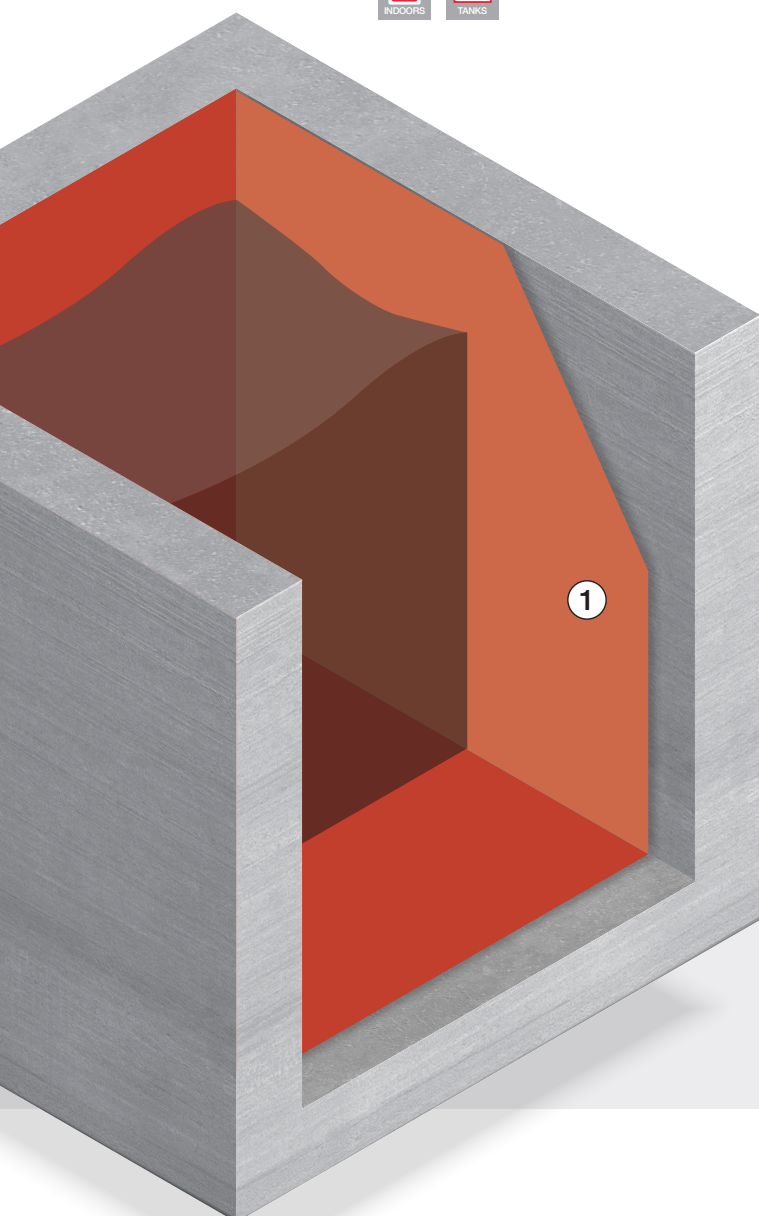
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

1

WATERPROOFING

NORPHEN FOOD

WATERPROOFING TREATMENT FORMULATED WITH EPOXY RESINS



PACKAGE



DESCRIPTION

Non-toxic bi-component coating for food fluid and drinking water tanks.

APPLICATION

recommended by Nord Resine technicians



Bi-component



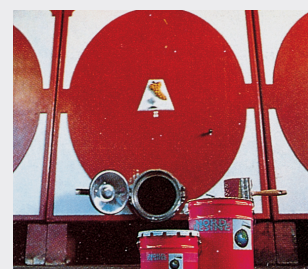
Applied with a roller



Brush application



Spray application





WELLNESS AND SWIMMING POOLS

The areas dedicated to personal wellness are becoming increasingly important in residential building designs and the customer and executor of the works do not always have sufficient knowledge about the problem.

Waterproofing and finishing a swimming pool or wellness area requires different measures. Nord Resine has two waterproofing options:

1. with permanent water:
intended for making tanks and swimming pools safe, when there are living areas underneath
 2. with non-permanent water:
intended for wellness areas, moist areas and small or medium-sized underground swimming pools.
- The two cycles need to be completed with the correct implementation of the covering using mosaics or ceramic tiles and with its finish.



**WATERPROOFING
LAYER UNDER TILES**
PERMANENT WATER

PAGE 40



**WATERPROOFING
LAYER UNDER TILES**
**NON-PERMANENT
WATER**

PAGE 42



**BONDING AND
SEALING OF TILES AND
MOSAICS WITH HIGH-
RESISTANCE REACTIVE
PRODUCTS**

PAGE 44



WATERPROOFING LAYER UNDER TILES PERMANENT WATER

A swimming pool located above housing, residential, hospitality or commercial premises needs to be built ensuring total safety conditions both to guarantee the use of the premises and to avoid all those major maintenance operations which would lead to considerable economic harm for the structure.

The cycle adopted by Nord Resine involves the use of PU BASE, a system based on a liquid membrane with exceptional characteristics in terms of waterproofing, elasticity, tear resistance and toughness, reinforced with NYCON (a continuous filament fabric), and finished with mosaics or tiles laid using high-performance binders (such as BETON H1 and MONOTACK H BOND).

The ideal sealing systems are those which are reactive, with an epoxy-resin base and low-yellowing water base, which can be used as it is for mosaics or interspersed with elastomeric joints on tiles.

Nord Resine is able to provide sealants of the same colour as the epoxy grouting, even on customised colours, and matching the coatings.

TECHNICAL SPECIFICATIONS



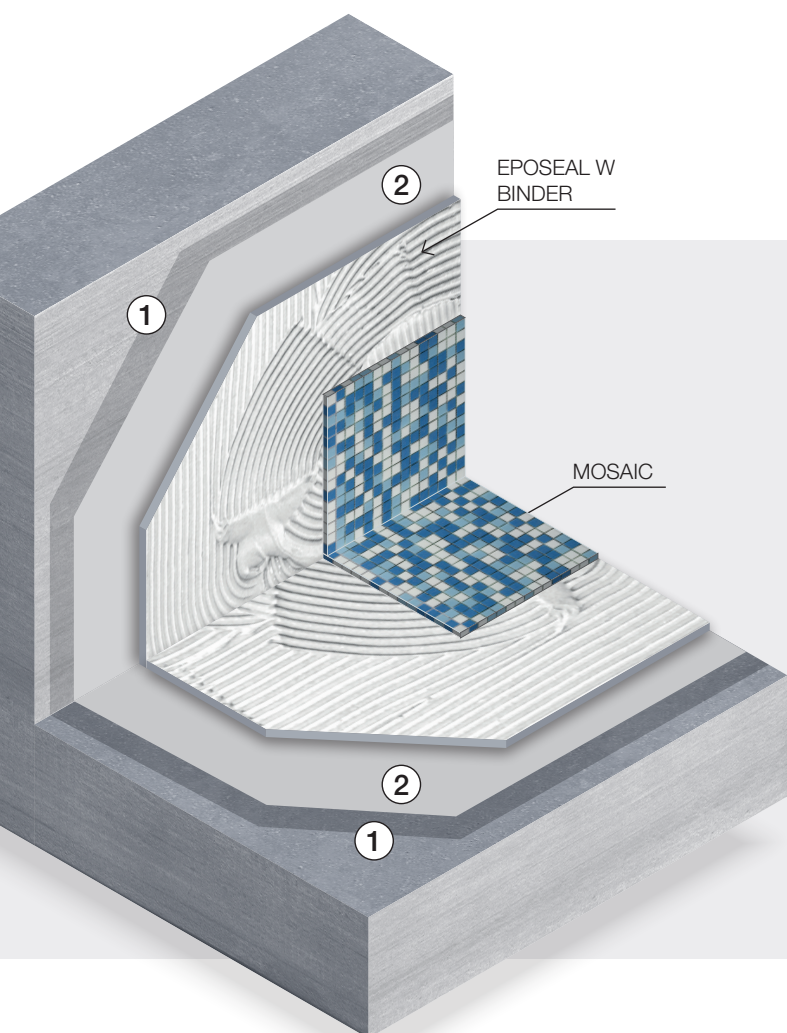
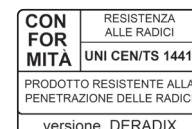
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

2

WATERPROOFING

PU BASE

WATERPROOFING PRODUCT APPLIED WITH TROWEL, WITH REINFORCEMENT.

1

PRIMER

NORDCEM PRIMER

PRIMER FOR NORDCEM



PACKAGE



DESCRIPTION

Elastic bi-component membrane suitable for waterproofing surfaces in permanent contact with non-drinking water. Properly reinforced with strengthening NYCON 100 fabric and adequately sprinkled with natural "ACTIVATED" 0.4-0.6 quartz sand, it is an exceptional waterproofing system for direct bonding of vitreous mosaic or stoneware using CEMENTITIOUS BINDERS.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Float trowel application



Impregnating agent for structural mortars and concretes to be used in one or two coats, on dry or wet substrate, for the pretreatment of the surface before applying PU BASE.

It eliminates the condensates which may form under the waterproof layer due to the presence of porosity and empty spaces in the structure.



Mono-component



Ready to use



Applied with a roller



Brush application



WATERPROOFING LAYER UNDER TILES NON-PERMANENT WATER

Small, underground swimming pools, permanently damp zones and wellness areas may be waterproofed conveniently with a simple system which can even be applied by site staff that are not necessarily highly-skilled and which respects the environment and ecological precepts. EP LASTIK, reinforced with fibreglass mesh, provides a solid and inexpensive waterproof base for the laying of any ceramic or vitreous coating.

TECHNICAL SPECIFICATIONS



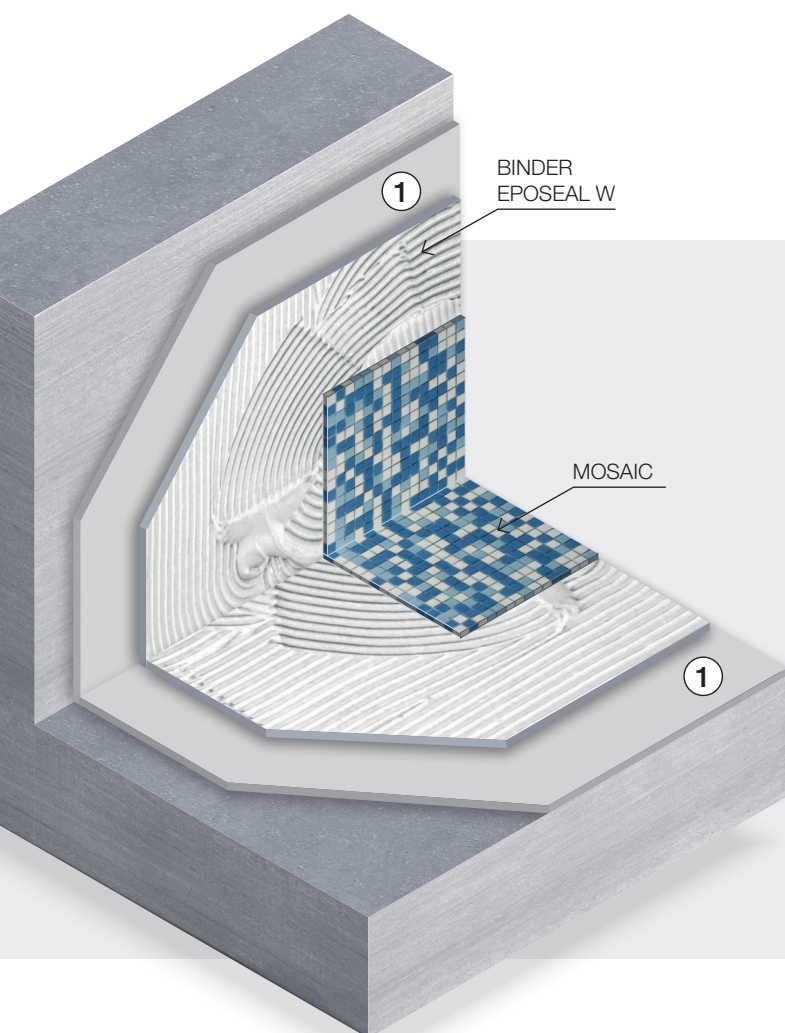
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

WATERPROOFING

EP LASTIK

WATERPROOFING MORTAR

1



PACKAGE



DESCRIPTION

Elastic bi-component mortar for waterproofing substrates in cement screed, sand and cement plaster (wall concrete) as well as concrete before laying tiles and mosaics using cementitious binders (BETON H1 and MONOTACK H BOND).

Apply two coats with a reinforcement between them (FIBREGLASS MESH 160). Suitable for treating the inner surfaces of tanks and swimming pools prior to the subsequent laying of stoneware coverings, with sealing of the grouting using EPOSEAL W.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Float trowel application



BONDING AND SEALING OF TILES AND MOSAICS WITH HIGH-RESISTANCE REACTIVE PRODUCTS

EPOSEAL W is a soft filler with a ceramic effect. It acts as a powerful anti-mould barrier that withstands acids and can be used both as an adhesive (R2T) and as a sealant (RG) for tiles and mosaics.

UV-resistant and with low environmental impact (non-corrosive).

TECHNICAL SPECIFICATIONS



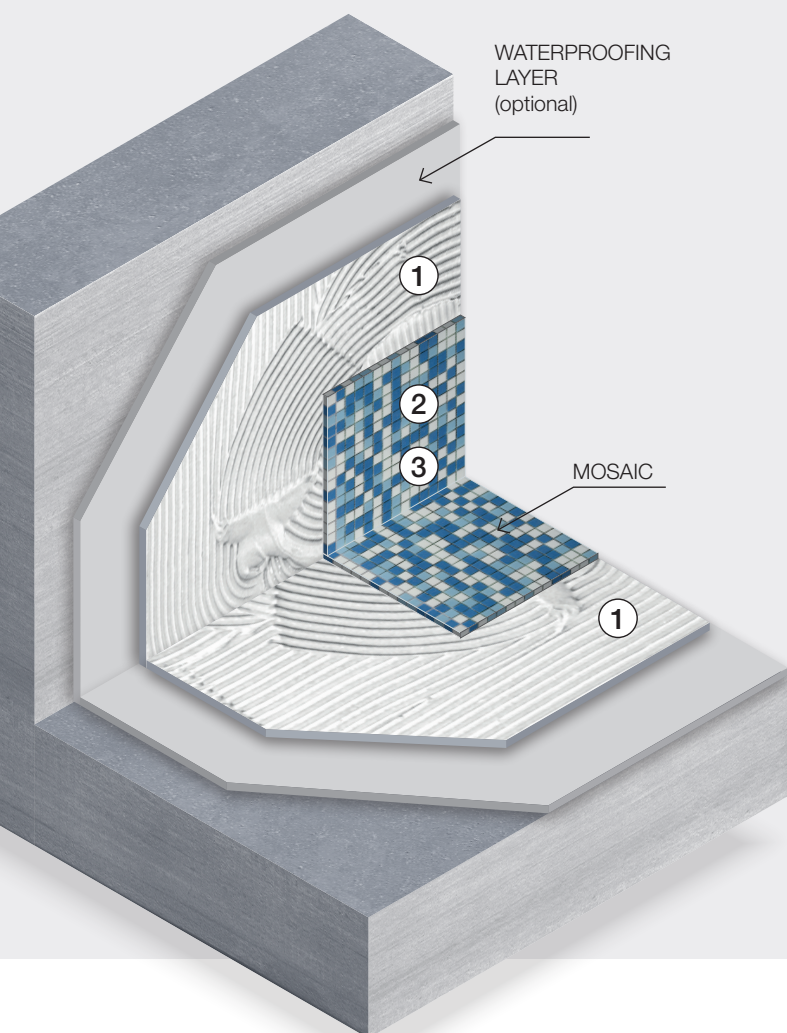
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



3

CLEANING TILES

EPOSEAL W TERGE

ADJUVANT DETERGENT FOR THE APPLICATION OF EPOSEAL W

OR

EPOSEAL W TERGE EXTRA

DETERGENT FOR EPOSEAL W

2

TILE GROUTING

EPOSEAL W

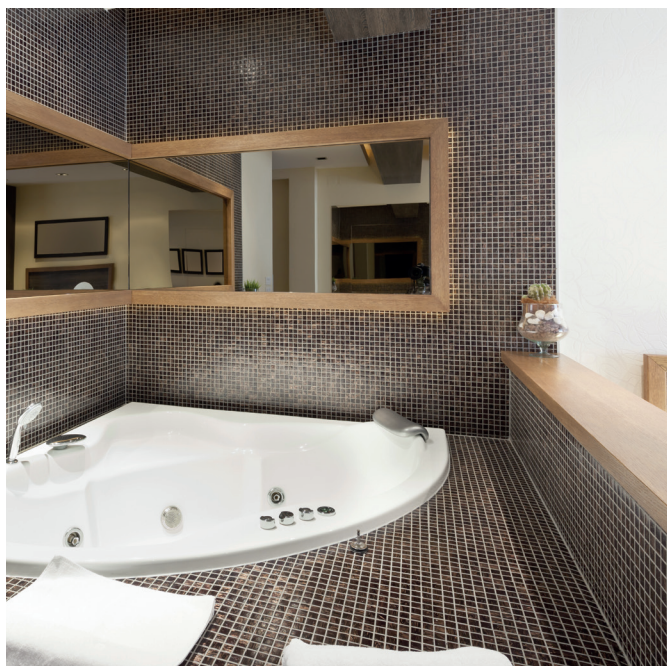
REACTIVE GROUT FOR INDOOR AND OUTDOOR USE RG CATEGORY

1

GLUING TILES

EPOSEAL W

VERTICAL NON-SLIP BINDER CATEGORY R2T



PACKAGE



DESCRIPTION

EPOSEAL W TERGE is a mild detergent to facilitate cleaning of the surfaces during the application of EPOSEAL W when sealing coverings of tiles and mosaics.

In the EXTRA version, the product can eliminate hardened resin halos even several months after application.

APPLICATION

recommended by Nord Resine technicians



Mono-component



Ready to use



Spray application



EPOSEAL W used as grouting is a reactive sealing cement for mosaics and tiles. It is non-yellowing, anti-mould, dirt resistant and resistant to chemical cleaning products and pressure cleaning.

Available in 28 colours.

Ideal for swimming pools, bathrooms, Jacuzzis, shower cubicles, wellness centres, etc.

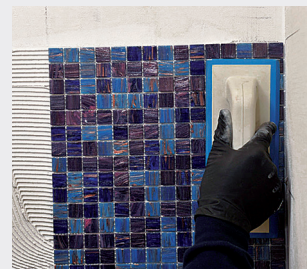
Coverage: based on joint size, see technical data sheet.



Bi-component



Float trowel application



EPOSEAL W is a vertical non-slip binder with high performance (R2T), equipped with high adhesion on the substrates (cross-cut adhesion after ageing and thermal shock: 4 MPa) and to the covering materials (mosaics or tiles) due to the presence of specific adhesion promoters in the formulation.

If applied in a first coat with a smooth float trowel with adequate thickness (0.5-0.7 mm), it produces a waterproofing film.

Due to its THIXOTROPIC characteristics, it can be used wet on wet, as a waterproofing product, binder and grouting.



Bi-component



Float trowel application





DRIVE-OVER ROOFS

SECTION PLANTERS AND ROOF GARDENS



DRIVE-OVER ROOFS

PAGE 48



SECTION PLANTERS AND ROOF GARDENS

PAGE 50



DRIVE-OVER ROOFS ELASTOMER COVERING WITH ARMoured TOP LAYER

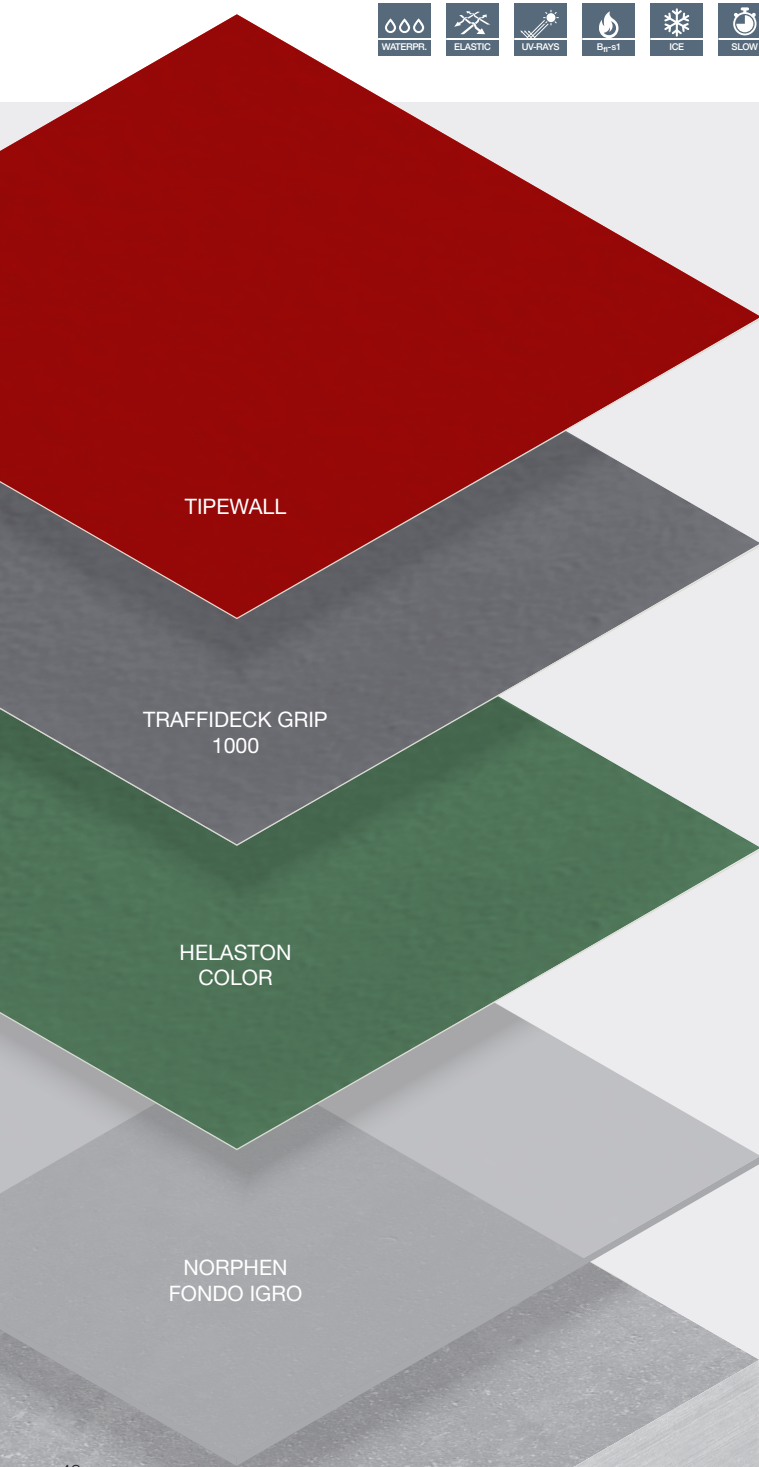
For outdoor car parks requiring waterproofing and an armoured coating systems capable of withstanding light vehicle traffic (up to 3500 kg), Nord Resine offers a coating system consisting of a primer to be applied with a roller, a waterproofing layer with HELASTON COLOR to be applied on the primer when still wet, a skim coat with TRAFFIDECK GRIP 1000 loaded AND sprinkled until saturation with quartz sand and a TIPEWALL finish with customised colour, capable of retaining over time the aesthetic and functional value of the coating.

For coatings intended to withstand heavy vehicle traffic (articulated lorries), Nord Resine offers a cycle similar to that indicated above, but with an epoxy primer sprinkled with quartz, a self-levelling waterproofing layer with FLEX 3000 HA and a final, 3.5 mm thick layer using GRIP 1000, loaded and sprinkled until saturation with quartz sand and a TIPEWALL finish.

TECHNICAL SPECIFICATIONS



FIELDS OF APPLICATION



PRODUCT RANGE

4

WATERPROOFING PRODUCTS

TIPEWALL

ALIPHATIC, CUSTOMISED COLOUR, BI-COMPONENT, SOLVENT-BASED RESIN FOR FINISHING TRAFFIDECK GRIP 1000

Consumption 0.65kg/m².



3

WATERPROOFING PRODUCTS

TRAFFIDECK GRIP 1000

NON-SLIP DRIVE-OVER BI-COMPONENT QUARTZ TOP COAT FOR TRAFFIDECK



2

RESINS FOR INDUSTRIAL FLOORS

HELASTON COLOR

SELF-LEVELLING, BI-COMPONENT, ELASTOMERIC WATERPROOFING PRODUCT



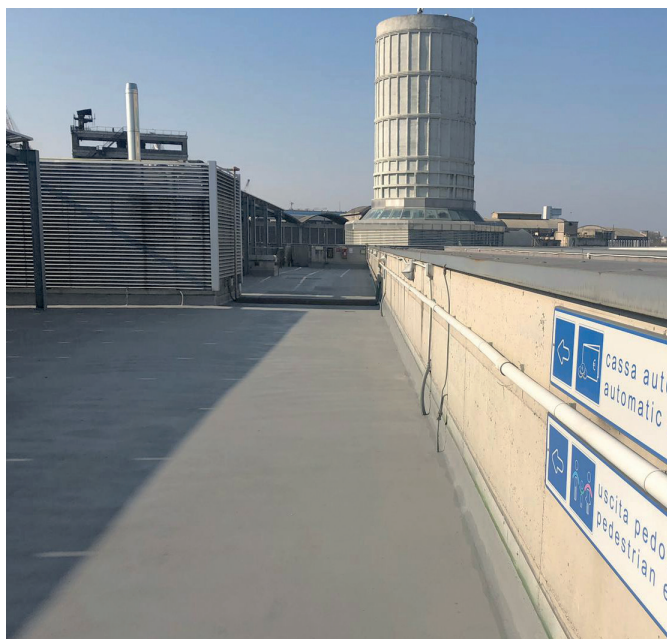
1

PRIMER

NORPHEN FONDO IGRO

MONO-COMPONENT PRIMER SOLVENT-BASED





PACKAGE

DESCRIPTION

APPLICATION

recommended by Nord Resine technicians



Aliphatic coloured bi-component solvent-based top coat for finishing TRAFFIDECK, HELASTON COLOR, NORTIG, PU SEAL and PU BASE. Can be decorated with a dusting of coloured LAMINE and finished with TIPEWALL TRASPARENTE.



Bi-component



Applied with a roller



Brush application



Float trowel application



Specific liquid membrane for the realisation of quartz mortar layers with high resistance to tearing and able to withstand both light and heavy vehicle traffic, according to the final thickness of the mortar.

For LIGHT VEHICLE TRAFFIC apply one coating of GRIP 1000 with a thickness of about 0.3 mm sprinkled until saturation with 0.4-0.6 mm of quartz sand.



Bi-component



Applied with a roller



Float trowel application



Bi-component liquid membrane for creating waterproof coverings for outdoor drive-over floorings; applicable by hand.



Bi-component



Applied with a roller



Float trowel application



Solvent-based mono-component primer for treating sanded or polished cement surface before the application of HELASTON COLOR.



Mono-component



Ready to use



Applied with a roller



Brush application



Spray application





SECTION PLANTERS AND ROOF GARDENS

Green roofs, in the extensive and intensive variations, are increasingly taken into consideration in high-class residential architecture but, along with medium to large sized planters, they are especially at risk of failure due to waterproofing issues.

Nord Resine recommends a system based on PU BASE, a liquid membrane with exceptional characteristics of waterproofing, elasticity, hardness and toughness, with the specific root inhibitor additive DERADIX and reinforced with NYCON 100, a continuous filament fabric of PE/NYLON. The PU BASE system is certified as a ROOT INHIBITOR according to UNI CEN/TS 14416.

TECHNICAL SPECIFICATIONS



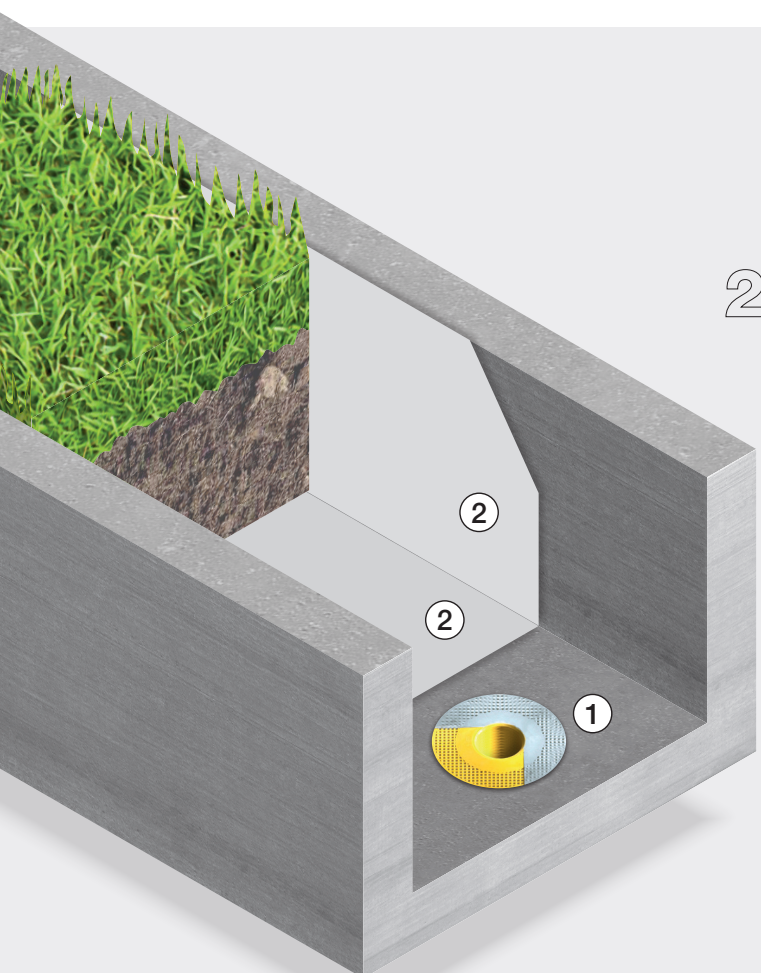
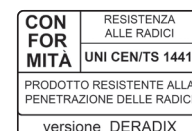
FIELDS OF APPLICATION



CE MARKING



CERTIFICATIONS



PRODUCT RANGE

WATERPROOFING

PU BASE

BI-COMPONENT ELASTOMERIC WATERPROOFING PRODUCT WITH ROOT INHIBITOR FOR SECTION PLANTERS AND ROOF GARDENS

WITH

DERADIX

ROOT INHIBITOR ADDITIVE FOR PU BASE TO BE ADDED TO THE PRODUCT

+

PRIMER

NORPHEN FONDO IGRO

SOLVENT-BASED MONO-COMPONENT PRIMER
(Product for a specific use: consult the technical data sheet)

1

SEALING

BETONSEAL MS 2.0

WATERPROOFING ADHESIVE SEALANT

+

PRIMER

NORPHEN FONDO IGRO

SOLVENT-BASED MONO-COMPONENT PRIMER
(Product for a specific use: consult the technical data sheet)



PACKAGE



DESCRIPTION

Elastic bi-component membrane particularly suitable for waterproofing surfaces in constant contact with the soil, damp or water. Ideal for tanks containing moderately aggressive non-potable water. In the DERADIX version (containing the root inhibitor additive), it is ideal for planters and roof gardens.

NORPHEN FONDO IGRO is a single-component solvent primer for treating polished and sanded cement surfaces: it eliminates the dust typical of such surfaces in preparation for the application of BETONSEAL MS 2.0.

APPLICATION

recommended by Nord Resine technicians



Bi-component



Applied with a roller



Brush application



Float trowel application



Mono-component



Ready to use



Applied with a roller



Brush application



Spray application



BETONSEAL MS 2.0 is a mono-component sealant that can be used to create waterproof shells between footing and walls, in the subsoil, in drains and in pipes before waterproof coatings are applied.

NORPHEN FONDO IGRO is a single-component solvent primer for treating polished and sanded cement surfaces: it eliminates the dust typical of such surfaces in preparation for the application of BETONSEAL MS 2.0.



Mono-component



Ready to use



Applied with a roller
Norphen Fondo Igro



Brush application
Norphen Fondo Igro



Spray application
Norphen Fondo Igro



Trowel application
Betonseal MS 2.0





SWIMMING POOLS

**ATTRACTIVE AND
PERFORMING RESIN COATINGS,
FOR MAKING MORE DARING
AND REFINED PROJECTS.**

FOR INFORMATION WRITE TO
project@nordresine.com





VIA FORNACE VECCHIA, 79
31058 SUSEGANA (TV)
Italy
Tel. +39 0438 437511

info@nordresine.it
www.nordresine.it



**NORD
RESINE**

SISTEMI A REGOLA D'ARTE