



**BETONGUAINA**  **NORD RESINE**<sup>®</sup>

WATERPROOF TERRACE SYSTEM

MADE IN ITALY





**WATERPROOF  
AND BREATHABLE  
SURFACE**



# BETONGUAINA WATERPROOF TERRACE SYSTEM

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 with any level of moisture content in the support, designed to be left exposed or for finishing with "direct bonding of tiles".



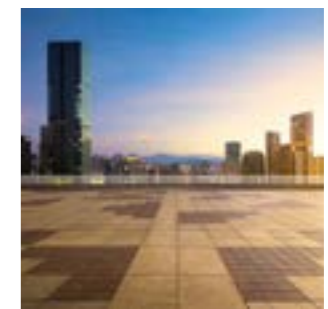
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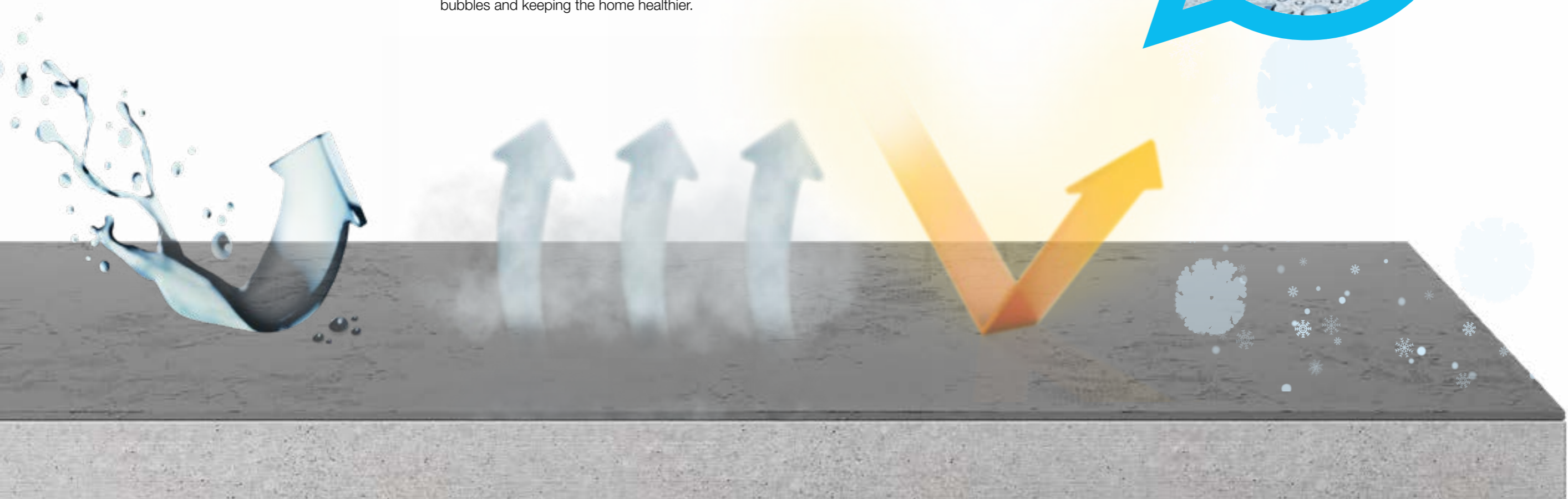


# BETONGUAINA

## COMPLETE PROTECTION OF THE TERRACE

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

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



### WATERPROOF

A waterproof layer created with BETONGUAINA can withstand the pressure of 1 metre of water (EOTA TR 003). NO PENETRATION.



### BREATHABLE

With its special formula and breathability, BETONGUAINA allows  $\mu = 1500$  water vapour to pass through NO BUBBLES EVEN ON WET SUBSTRATES



### PROTECTS AGAINST UV RAYS

A layer made with BETONGUAINA can be left exposed to sun and bad weather for decades.



### RESISTANT TO OPEN FLAMES

BETONGUAINA is resistant to open flames. Class B<sub>roof</sub> (t2) Perfect for the installation of photovoltaic systems.



### FROST RESISTANT

No problems with ice and snow. BETONGUAINA is certified for a -20°C temperature



# BETONGUAINA

## EXCELLENT TECHNICAL PROPERTIES

BETONGUAINA waterproofing systems are easy to apply and have excellent technical characteristics. Two different formulations are available for more or less challenging climates, both providing the same performance for installation and day-to-day use.



### TECHNICAL SPECIFICATIONS BETONGUAINA



### FIELDS OF APPLICATION FOR BETONGUAINA



BETONGUAINA.S is the only highly-breathable liquid waterproofing product that is CE-certified, as prescribed by the European EOTA (EAD 030350-00-0402, superseding 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



#### CERTIFICATIONS



## 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), allowing 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.

#### CE MARKING



#### CERTIFICATIONS



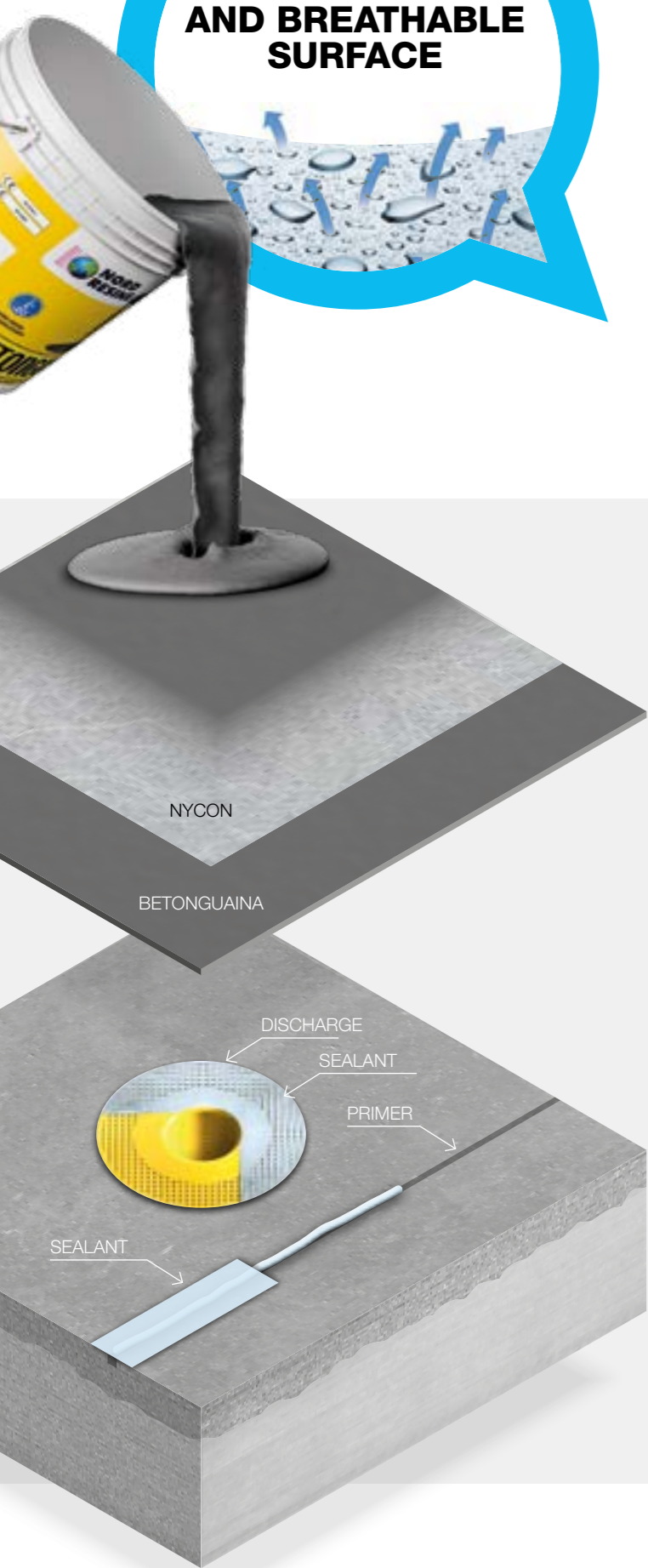
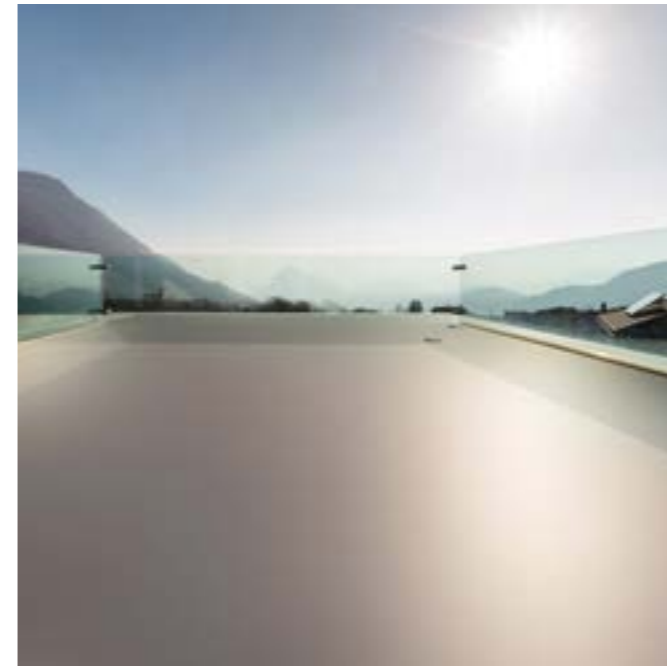
# BETONGUAINA

## EASY APPLICATION

**WATERPROOF AND BREATHABLE SURFACE**

BETONGUAINA products are ready to use and extremely easy to apply, with a variety of finishes to meet any aesthetic and functional requirements.

- The Betonguaina system can be completed with:
- a BETON COLOR coloured resin coating
  - laying of tiles with BETON H1
  - the AQUALAMINE outdoor flooring system with sintered-ceramic particles
  - the SRI NORTIG 15 WHITE 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

REINFORCED BI-COMPONENT WATERPROOFING PRODUCT WITH POLYMER AND CEMENT BASE



### PACKAGE



### DESCRIPTION

Bi-component polymer-cement elastomer liquid membrane that can be used on wet bases, to be reinforced with a specific solution 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
- Roller application
- Brush application
- Float trowel application



1

#### SEALING

##### BETONSEAL MS 2.0

WATERPROOFING ADHESIVE SEALANT

+

#### PRIMER

##### NORPHEN FONDO IGRO

SOLVENT-BASED MONO-COMPONENT PRIMER (for absorbent or dusty surfaces)

OR

##### BETONSEAL PRIMER

PROMOTER FOR NON-ABSORBENT SURFACES (for metal or plastic surfaces)



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 mono-component solvent primer for the removal of dust from polished and sanded cement surfaces.

BETONSEAL PRIMER is a non-film-forming adhesion promoter, specifically designed for non-absorbent surfaces.

- Mono-component
- Ready to use
- Trowel application  
Betonseal MS 2.0
- Roller application  
Norphen Fondo Igro
- Brush application  
Norphen Fondo Igro
- Cloth application  
Betonseal Primer





# FINISHES WITH COLOURED RESINS

For a waterproof coating with a coloured finish, you can choose BETON COLOR or the NORTIG 15 solutions.

These solutions provide excellent technical characteristics that give Betonguaina products a beautiful, vibrant and lasting coloured finish.

These solutions protect the terrace from fire and have a high solar reflectance index.



## BETON COLOR

TECHNICAL SPECIFICATIONS



FIELDS OF APPLICATION



## NORTIG 15

TECHNICAL SPECIFICATIONS

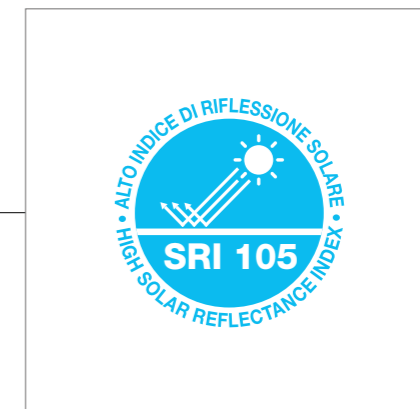


FIELDS OF APPLICATION



**EASY-TO-APPLY SOLUTIONS THAT COMPLETE PROTECTION OF THE TERRACE WITH A LASTING, ELEGANT COLOUR.**

They are available in a broad range of RAL colours on request.

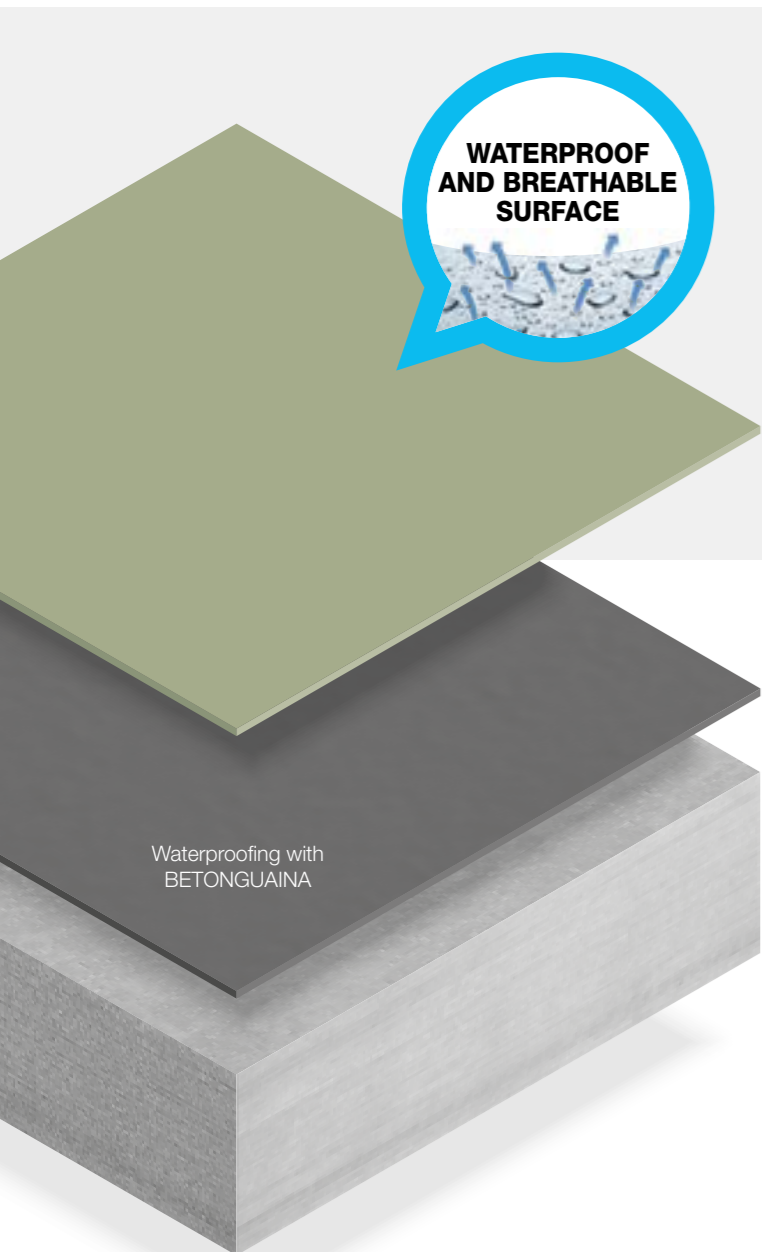


# BETON COLOR

## AESTHETIC QUALITIES AND COMPLETE PROTECTION

For a coloured finish with a waterproof coating, you can choose BETON COLOR or NORTIG 15.

BETON COLOR is a solvent-based system that provides 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.



### PRODUCT RANGE

1

#### WATERPROOFING

### BETON COLOR

BI-COMPONENT ELASTOMER FINISH

<p>PROTEZIONE DEL CALCESTRUZZO EN 1584-2 (C) PI-MC-IR</p>	<p>CON FOR MITA REAZIONE AL FUOCO EN 13501-1 CLASSE Bfl - s1</p>
<p>CON FOR MITA REAZIONE AL FUOCO EN 13501-1 CLASSE B - s1,d0</p>	<p>CON FOR MITA RESISTENZA ALLO SCHIACCIAMENTO DIN 51130 CLASSE R 9 versione EXTRAGRIP</p>

### PACKAGE



### DESCRIPTION

BETON 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 BETONGUAINA and BETONGUAINA.S systems, featuring a high elastoplasticity to adapt to the elastic movement of the waterproofing product. Long life and low maintenance costs. Also available in the "extra-grip" version for sloping surfaces.

### APPLICATION

recommended by Nord Resine technicians

- Bi-component kit
- Roller application



### BETON COLOR:

### THE LIVEABLE TERRACE





# NORTIG 15

## AESTHETIC QUALITIES AND COMPLETE PROTECTION

For a coloured finish with a waterproof coating, you can choose NORTIG 15.























NORTIG 15 is a waterproofing system and finish with a light colour.

This cycle guarantees perfect waterproofing, respect for the environment and reflection of solar rays to counteract the URBAN HEAT ISLAND effect, as well as resistance to open flames.

High solar reflectance and resistance to open flames make NORTIG 15 the ideal system to waterproof roofs where photovoltaic systems will be installed.

Depending on the performance required, you can also choose the TSR (High Solar Reflectance) or TSR-AF (High Solar Reflectance and Resistance to Open Flames).



PRODUCT RANGE	PACKAGE	DESCRIPTION	APPLICATION
<p>1 <b>WATERPROOFING</b></p> <p><b>NORTIG 15</b> COLOURED ELASTOMERIC WATERPROOFING PRODUCT</p>    		<p>NORTIG 15 Liquid elastomeric, mono-component, water-based membrane available in various catalogue colours and customisable on demand. It also reflects solar rays to counteract the URBAN HEAT ISLAND effect (SRI 85 solar reflectance on white according to ASTM E 1980).</p>	<p>recommended by Nord Resine technicians</p> 
<p>OR</p> <p><b>NORTIG 15 TSR</b> ELASTOMERIC WATERPROOFING PRODUCT WITH HIGH SOLAR REFLECTANCE</p>   		<p>NORTIG 15 TSR Elastomeric mono-component water-based liquid membrane specially developed for a high-solar-reflectance finish on Betonguaina and Betonguaina.S layers. It counteracts the URBAN HEAT ISLAND effect (SRI 105 solar reflectance on white according to ASTM E 1980).</p>	 Mono-component  Ready to use  Roller application  Brush application  Float trowel application  Spray application
<p>OR</p> <p><b>NORTIG 15 TSR-AF</b> ELASTOMERIC WATERPROOFING PRODUCT WITH HIGH SOLAR REFLECTANCE AND RESISTANCE TO OPEN FLAMES</p>     		<p>NORTIG 15 TSR-AF Elastomeric liquid membrane that, reinforced with VETROMAT 22, creates waterproof layers that are resistant to open flames and also suitable for the treatment of flammable substrates. Counteracts the URBAN HEAT ISLAND effect (SRI 105 solar reflectance on white according to ASTM E 1980).</p>	





# BETON H1 FINISHES WITH TILES

The waterproof layer can be finished through direct bonding of tiles.

NORD RESINE has designed a range of professional products that guarantee extremely high resistance and protection.



### BETON H1 TECHNICAL SPECIFICATIONS



### FIELDS OF APPLICATION FOR BETON H1



### PRO-TILER

The grouting of tiles on a terrace can be waterproofed and protected with PRO-TILER: the protective coating for tiles that waterproofs and protects grouting from attack by acid rain.



### NYCON

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

NYCON is a continuous-wire reinforcement with high mechanical and chemical resistance in alkaline environment.



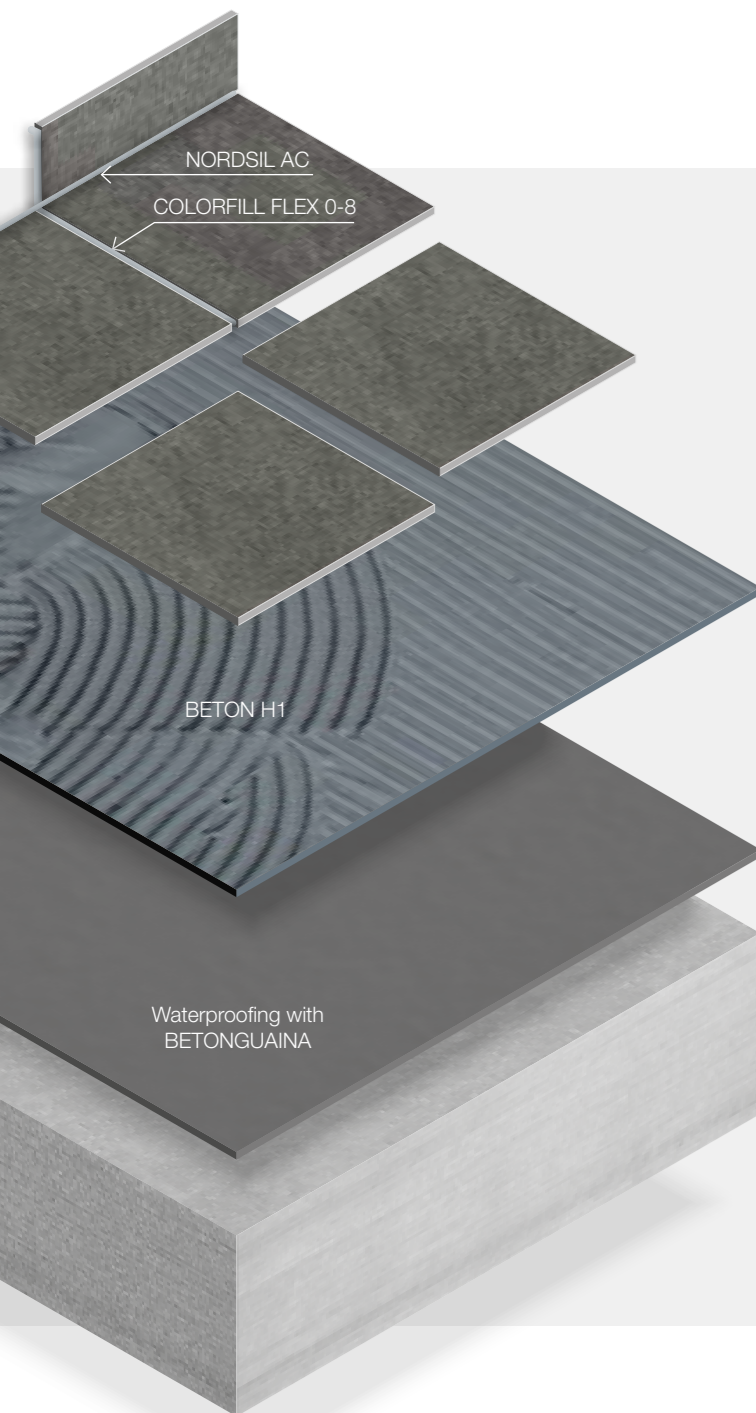
**PRO-TILER:**  
LASTING, ATTRACTIVE AND  
PROTECTED GROUTING

# BETON H1

## DIRECT BONDING OF TILES

The DIRECT BONDING OF THE TILES is an integrated system, developed by Nord Resine (submitted to the SAIE on October 1993) which totally avoids any degradation of the screed under the tiles in the simplest way possible: by removing 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 must be made with BETON H1.



	PRODUCT RANGE	PACKAGE	DESCRIPTION	APPLICATION recommended by Nord Resine technicians
3	<b>SEALING</b> <b>NORDSIL AC</b> MONO-COMPONENT SILICON SEALANT, F-EXT-INT CATEGORY (EN15651-1)		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 a high mechanical performance and an excellent aesthetic effect. It will not get dirty and it will remain fully functional for a long time.	<ul style="list-style-type: none"> <li>Mono-component</li> <li>Ready to use</li> <li>Trowel application</li> </ul>
2	<b>TILE GROUTING</b> <b>COLORFILL FLEX 0-8</b> MONO-COMPONENT CEMENT GROUTING, CG2WA CATEGORY		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 by reducing any "pointings" that may cause the rupture of grouting.	<ul style="list-style-type: none"> <li>Mono-component</li> <li>Float trowel application</li> </ul>
1	<b>TILE BONDING</b> <b>BETON H1</b> MONO-COMPONENT BINDER, C2TE S2 CATEGORY		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.	<ul style="list-style-type: none"> <li>Mono-component</li> <li>Float trowel application</li> </ul>

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