

**DECLARATION OF PERFORMANCE:  
N° GLI001-13**

1. **Identification code: BETONGUAINA.S**
2. **Type, batch or serial number:** (Batch number: see the packaging)
3. **Intended use or uses of the construction product:**  
in compliance with **ETAG 005 : 2000 – rev. March 2004 (part 1 and part 8)**  
-Liquid applied waterproofing kit. Two components liquid membrane with high elasticity.

4. **Manufacturer:**

**NORD RESINE SpA**  
Via Fornace Vecchia, 79 – 31058 Susegana (TV)  
P.I. IT02169750268

5. **System or systems of assessment and verification of constancy of performance of the construction product: SYSTEM 3**
6. **The Notified Body ITC (No. 0970)** issued the test reports No. 06/0109 based on ETAG 005 and performed the:
  - a. initial inspection of the manufacturing plant and of factory production;
  - b. continuous surveillance, assessment and evaluation of factory production control.

7. **Declared performance:**

ESSENTIAL CHARACTERISTICS	PERFORMANCE			Technical Specification
	Units of measurement	With Nycon 100 reinforcement	With Nycon 200 reinforcement	
Expected Working life	years	10(W2)		<b>ETAG 005 ed. 2000</b>
Solar exposure	---	Moderate climate		
Loads	---	P1-P3	P2	
Slope	%	< 5 (S1)		
Lowest surface temperature	°C	-30 (TL4)	-20 (TL3)	
Highest surface temperature	°C	+80 (TH3)	+60 (TH2)	
External fire performance	---	NPD		
Water vapour permeability	μ	≈6630	≈13060	
Water permeability	---	pass		
Resistance to wind loads	kPa	>50		
Resistance to dynamic indentation	---	I <sub>2</sub>	I <sub>3</sub>	
Resistance to static indentation	---	L <sub>2</sub>	L <sub>3</sub>	
Resistance to fatigue movement	---	pass		

Resistance to low temperature effects: dynamic indentation at low temperature	---	I <sub>2</sub> (-20°C)	I <sub>3</sub> (-30°C)	
Resistance to extreme low temperature: crack bridging capability at -30 °C	---	/	Pass	
Resistance to high temperature effects: static indentation at high temperature	---	L <sub>2</sub> (60° C)	L <sub>3</sub> (80° C)	
Carico a rottura a trazione	MPa	1,26		
Tensile strength (MPa)	%	100,1		
Reaction to fire	class	E		
Dangerous substances	---	No		
<b>Resistance to heat aging (EOTA TR 011) (samples exposed to 70 °C during 200 days):</b>				
Dynamic indentation	---	I <sub>2</sub> (-20°C)	I <sub>3</sub> (-30°C)	ETAG 005 ed. 2000
Fatigue movement (50 cycles)	---	Pass		
Tensile strength (MPa)	MPa	0,98		
Tensile elongation (%)	%	64,9		
<b>Resistance to UV radiation in the presence of moisture (EOTA TR 010) (samples exposed 2470 hours to UV radiation):</b>				
Dynamic indentation (-10 °C)	---	I <sub>2</sub>	I <sub>3</sub>	ETAG 005 ed. 2000
Tensile strength (MPa)	MPa	1,48		
Tensile elongation (%)	%	129		
<b>Resistance to water ageing (EOTA TR 012) (samples keep in touch of water at 60 °C over 30 days)</b>				
Static indentation	---	L <sub>2</sub> (60° C)	L <sub>3</sub> (80° C)	ETAG 005 ed. 2000
Delamination strength (kPa)(concrete)	kPa	1317		
Delamination strength (kPa) (waterproofing bitumen sheet)	kPa	328		

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

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1. **Identification code:** **BETONGUAINA.S**

2. **Type, batch or serial number:** (Batch number: see the packaging)

3. **Intended use or uses of the construction product:**

in compliance with **EN 14891:2012** – Appendix ZA.1 – Liquid applied two components product, cement based with modified polymer (CM O2P). Product adapt for every exterior setting and in pools underneath ceramic tiles. (to be pasted with adhesive type C2 in compliance with EN 12004).

4. **Manufacturer:**

**NORD RESINE SpA**  
Via Fornace Vecchia, 79 – 31058 Susegana (TV)  
P.I. IT02169750268

5. **System or systems of assessment and verification of constancy of performance of the construction product:** **SYSTEM 4**

**SYSTEM 3 for waterproofing**


6. The Notified Laboratory **MODENA CENTRO PROVE (No.1599)** issued the test report **No. 20146085/3** related to initial type tests.

7. **Declared Performance:**

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TECHNICAL SPECIFICATION
Adhesion for initial traction *	≥0,5 N/mm <sup>2</sup>	<b>EN 14891:2012</b>
Water permeability	No penetration	
<b>Crack bridging capacity:</b>		
- at standard conditions (+23°C)	≥0,75 mm	
- at lowest temperature (-20°C)	≥0,75 mm	
<b>Durability for adhesion to traction *:</b>		
- after thermal ageing	≥0,5 N/mm <sup>2</sup>	
- after water immersion	≥0,5 N/mm <sup>2</sup>	
- after contact with limewater	≥0,5 N/mm <sup>2</sup>	
- after freezing-thawing cycles	≥0,5 N/mm <sup>2</sup>	
Release of dangerous substances	See Safety Sheet	

**CE MARK**

**IN COMPLIANCE WITH CPR 305/2011 AND WITH EN 14891:2012**

 <b>1599</b>	<b>NORD RESINE SpA</b> <i>Via Fornace Vecchia, 79 – 31058 Susegana (TV)</i>
<b>14</b> <b>No. RC018-CPR</b> <b>EN 14891</b>	
<b>BETONGUAINA.S</b>	
Two components waterproofing for liquid application, for every kind of exterior application underneath ceramic tiles (to be pasted with adhesive type C2 according with EN 12004).	
Adhesion strength by pull off test	≥0,5 N/mm <sup>2</sup>
Water permeability	No penetration
<b>Crack bridging capacity:</b> - at standard conditions (+23°C) - at lowest temperature (-20°C)	≥0,75 mm ≥0,75 mm
<b>Durability for adhesion to traction :</b>	
- after thermal ageing	≥0,5 N/mm <sup>2</sup>
- after water immersion	≥0,5 N/mm <sup>2</sup>
- after contact with limewater	≥0,5 N/mm <sup>2</sup>
- after freezing-thawing cycles	≥0,5 N/mm <sup>2</sup>
Release of dangerous substances	See Safety Sheet

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in compliance with **EN 14891:2012** – Appendix ZA.1 – Liquid applied two components product, cement based with modified polymer (CM O2P). Product adapt for every exterior setting and in pools underneath ceramic tiles. (to be pasted with adhesive type C2 in compliance with EN 12004).

4. **Manufacturer:**

**NORD RESINE SpA**  
Via Fornace Vecchia, 79 – 31058 Susegana (TV)  
P.I. IT02169750268

5. **System or systems of assessment and verification of constancy of performance of the construction product: SYSTEM 4**  
**SYSTEM 3 for reaction to fire**
6. **The ICMQ S.p.A. (No. 1305)** issued the test report No. 1305-CPR-1167 and performed the:
  - a. initial inspection of the manufacturing plant and of factory production;
  - b. continuous surveillance, assessment and evaluation of factory production control.


The **Notified Body ISTITUTO MASINI (No. 0068)** released the test report **N° 1861-2014** related to reaction to fire tests.

### 7. Declared Performance

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TECHNICAL SPECIFICATION
CO <sub>2</sub> Permeability	S <sub>D</sub> > 50 m	<b>EN 1504-2:2004</b>
Water vapour permeability	class II	
Capillary absorption and permeability to water	w < 0,1 Kg/(m <sup>2</sup> x h <sup>0,5</sup> )	
Adhesion strength by pull off test	≥ 0,8 N/mm <sup>2</sup>	
Reaction to fire	Euroclass: B <sub>fl</sub> s1	
Release of dangerous substances	See Safety Sheet	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

**CE MARK  
IN COMPLIANCE WITH CPR305/2011 AND WITH EN 1504-2**

  <b>1305 0068</b>	<b>NORD RESINE SpA</b> <i>Via Fornace Vecchia, 79 – 31058 Susegana (TV)</i>
<b>14</b> <b>No. GLI001-CPR</b> <b>EN 1504-2</b>	
<b>BETONGUAINA.S</b>	
Products for concrete surface protection. (Protection against penetration hazard, moisture control and increase of resistance).	
CO <sub>2</sub> Permeability	S <sub>D</sub> > 50 m
Water vapour permeability	class II
Capillary absorption and permeability to water	w < 0,1 Kg/(m <sup>2</sup> x h <sup>0,5</sup> )
Adhesion strength by pull off test	≥ 0,8 N/mm <sup>2</sup>
Reaction to fire	Euroclass: B <sub>fl</sub> s1
Release of dangerous substances	See Safety Sheet

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Susegana, 28th December 2015

Lionello Caregnato  
( Chief Executive Officer)

