

# PRODUCT SPECIFICATION SHEET

## BELZONA 4911

FN10010



### GENERAL INFORMATION

#### Product Description:

A two-component thixotropic resin system with excellent adhesion to masonry and metallic surfaces.

### APPLICATION INFORMATION

#### Working Life

Will vary according to temperature. At 77°F (25°C), from commencement of mixing, use all material within 30 minutes.

#### Coverage Rate

A coverage rate of 12 sq.ft. (1.1 sq.m.) should be achieved from a 450 gm unit or 79 sq.ft. (7.33 sq.m.) from a 3 kg unit.

#### Overcoating Time

The **Belzona 4911** must be overcoated within 6 hours.

#### Base Component

Appearance	Opaque thixotropic liquid
Sag Index	50 mil min.
Density	1.16 g/cm <sup>3</sup>

#### Solidifier Component

Appearance	Clear liquid
Viscosity	10 - 12 poise at 77°F (25°C)
Density	1.04 g/cm <sup>3</sup>

#### Mixed Tests

Mixing Ratio by Weight (Base : Solidifier)	2.2 : 1
Mixing ratio by Volume (Base : Solidifier)	2 : 1

*The above application information serves as introductory guide only. For full application details including the recommended application procedure/technique, refer to the Belzona IFU which is enclosed with each packaged product.*

### ADHESION

#### Tensile Shear

Tested in accordance with ASTM D1002 the shear adhesion to grit blasted steel shall be typically 2960 psi (208 kgs/cm<sup>2</sup>).

#### Positest dolly pull-off (ASTM D4541)

Dry concrete	790 psi (55 kgs/cm <sup>2</sup> )*
Damp concrete	590 psi (41 kgs/cm <sup>2</sup> )*
Dry brick	1010 psi (71 kgs/cm <sup>2</sup> )*
Damp brick	1110 psi (78 kgs/cm <sup>2</sup> )*
Dry quarry tiles	1900 psi (134 kgs/cm <sup>2</sup> )*
Damp quarry tiles	1510 psi (106 kgs/cm <sup>2</sup> )*

\* cohesive failure within substrate.

### COMPRESSIVE STRENGTH

Tested in accordance with ASTM D659 is typically :  
7790 psi (548 kgs/cm<sup>2</sup>)                      7 days cure at 77°F (25°C).

### FLEXURAL PROPERTIES

The flexural strength of the material when tested to ASTM D790 is typically:  
7810 psi (549 kgs/cm<sup>2</sup>)                      7 days cure at 77°F (25°C).

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### APPROVALS/ACCEPTANCES

The material has received recognition from organizations worldwide including:  
U.S.D.A.

### SHELF LIFE

Separate base and solidifier components shall have a shelf life of 5 years from date of manufacture when stored in their original unopened containers between 32°F (0°C) and 86°F (30°C).

### WARRANTY

This product will meet the performance claims stated herein when material is stored and used as instructed in the Belzona Information For Use leaflet. Belzona ensures that all its products are carefully manufactured to ensure the highest quality possible and are tested strictly in accordance with universally recognized standards (ASTM, ANSI, BS, DIN, ISO, etc.). Since Belzona has no control over the use of the product described herein, no warranty for any application can be given.

### AVAILABILITY AND COST

**Belzona 4911** is available from a network of Belzona Distributors throughout the world for prompt delivery to the application site. For information, consult the Belzona Distributor in your area.

### MANUFACTURER / SUPPLIER

Belzona Inc.  
14300 NW 60<sup>th</sup> Ave,  
Miami Lakes, FL, 33014, USA

### HEALTH AND SAFETY

Prior to using this material, please consult the relevant Safety Data Sheets.

### TECHNICAL SERVICE

Complete technical assistance is available and includes fully trained Technical Consultants, technical service personnel and fully staffed research, development and quality control laboratories.

The technical data contained herein is based on the results of long term tests carried out in our laboratories and to the best of our knowledge is true and accurate on the date of publication. It is however subject to change without prior notice and the user should contact Belzona to verify the technical data is correct before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for rates of coverage, performance or injury resulting from use. Liability, if any, is limited to the replacement of products. No other warranty or guarantee of any kind is made by Belzona, express or implied, whether statutory, by operation of law or otherwise, including merchantability or fitness for a particular purpose.

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*Belzona products are  
manufactured under an  
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Quality Management System*

