

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

12 ft² (1.1 m²) from a 450 g unit or
79 ft² (7.3 m²) from a 3 kg unit

Overcoating Time

Belzona 4911 must be overcoated within 6 hours.

Base Component

Appearance	Opaque thixotropic liquid
Sag Index	50 mil (1,250 µm) min.
Density	1.16 g/cm ³

Solidifier Component

Appearance	Clear liquid
Viscosity	10 – 12 P at 77 °F (25 °C)
Density	1.04 g/cm ³

Mixed Properties

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

When tested in accordance with ASTM D1002, the shear adhesion to grit blasted steel will typically be 2,960 psi (20.4 MPa).

Pull off Adhesion

When tested in accordance with ASTM D4541, the pull off adhesion on different substrates should typically be:

Dry concrete	790 psi (5.4 MPa)*
Damp concrete	590 psi (4.1 MPa)*
Dry brick	1,010 psi (6.9 MPa)*
Damp brick	1,110 psi (7.6 MPa)*
Dry quarry tiles	1,900 psi (13.1 MPa)*
Damp quarry tiles	1,510 psi (10.4 MPa)*

* Cohesive failure within substrate.

COMPRESSIVE STRENGTH

When tested in accordance with ASTM D659, the compressive strength will typically be:

7,790 psi (53.7 MPa)	7 days cure at 77 °F (25 °C).
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FLEXURAL PROPERTIES

The flexural strength of the material, when tested to ASTM D790, will typically be:

7,810 psi (53.8 MPa)	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 five (5) years from date of manufacture when stored in their original unopened containers between 41 °F (5 °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

Belzona Polymerics Ltd.
Claro Road, Harrogate,
HG1 4DS, UK

Belzona Inc.
14300 NW.60th Ave,
Miami Lakes, FL, 33014
USA

HEALTH AND SAFETY

Prior to using this material, please consult the relevant Material 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
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ISO 9001 Registered
Quality Management System*

