

1. PRODUCT NAME

Belzona[®] 4911
(Magma TX Conditioner)
For conditioning metallic and masonry surfaces prior to application of **Belzona[®] 4000** Series products.

2. MANUFACTURER

Belzona Inc.,
2000 N.W. 88th Court,
Miami, Florida 33172

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

3. PRODUCT DESCRIPTION

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

4. TECHNICAL DATA

Belzona[®] 4911 Base

Appearance Opaque thixotropic liquid
Sag Index 50 mil min.
Density 1.16 g/cm³

Belzona[®] 4911 Solidifier

Appearance Clear liquid
Viscosity 8 - 10 poise at
77°F (25°C)
Density 1.04 g/cm³

Belzona[®] 4911 Mixing Ratio

Base : Solidifier 2.2 : 1 by weight
2 : 1 by volume

• **Shelf Life:**

Separate Base and Solidifier components will have a shelf life of at least 5 years when stored between 32°F (0°C) and 86°F (30°C).

• **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.

• **Working Life:**

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

• **Overcoating Time:**

The **Belzona[®] 4911** must be overcoated within 6 hours.

5. PHYSICAL/MECHANICAL PROPERTIES

Determined after 7 days cure at 77°F (25°C).

• **Compressive Strength:**

Tested in accordance with ASTM D659 is typically 6750 psi (475 kgs/cm²).

• **Adhesion:** **Tensile Shear**

Tested in accordance with ASTM D1002 the shear adhesion to grit blasted steel shall be typically 2690 psi (189 kgs/cm²).

Positest dolly pull-off (ASTM D4541)

Dry concrete	740 psi (52 kgs/cm ²)*
Damp concrete	880 psi (62 kgs/cm ²)*
Dry brick	1190 psi (84 kgs/cm ²)*
Damp brick	1300 psi (91 kgs/cm ²)*
Dry quarry tiles	1840 psi (129 kgs/cm ²)*
Damp quarry tiles	1290 psi (91 kgs/cm ²)*

* *cohesive failure within substrate.*

• **Flexural Strength:**

Tested in accordance with ASTM D790 is typically 7570 psi (532 kgs/cm²).

• **Heat Distortion Temperature:**

Tested in accordance with ASTM D648 (264 psi fiber stress) is typically 106°F (41°C).

6. SURFACE PREPARATION AND APPLICATION PROCEDURES

For proper technique, refer to the Belzona[®] Instructions For Use leaflet which is enclosed with each packaged product.

7. 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.

8. WARRANTY

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

9. TECHNICAL SERVICES

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

10. HEALTH AND SAFETY

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

11. APPROVALS/ ACCEPTANCES

U.S.D.A.

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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ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

Manufactured under an ISO 9000
Registered Quality Management System

