

PRODUCT SPECIFICATION SHEET

BELZONA 4981

FN10091



GENERAL INFORMATION

Product Description:

For conditioning metallic and masonry surfaces prior to application of **Belzona 4000** Series products.

For conditioning non-metallic surfaces prior to application of Belzona high temperature coatings.

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 75 sq.ft. (7.0 sq.m.) should be achieved from a 3 kg unit.

Base Component

Appearance	Opaque thixotropic paste
Density	1.2 g/cm ³

Solidifier Component

Appearance	Clear amber liquid
Density	1.03 g/cm ³

Mixing Ratio

Base : Solidifier	100 : 28 by weight 3: 1 by volume
Sag Index	50 mil (1.25mm) min.

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 Adhesion to grit blasted steel shall be typically:

Ambient cure	2250 psi (15.5 MPa)
Post cure	2070 psi (14.3 MPa)

Positest dolly pull-off (ASTM D4541)

Dry concrete	600 psi (4.1 MPa)*
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* cohesive failure within substrate.

COMPRESSION RESISTANCE

Compressive Strength

Tested in accordance with ASTM D659 is typically

Ambient cure	5530 psi (38.1 MPa)
Post cure	7380 psi (32.9 MPa)

FLEXURAL PROPERTIES

Flexural Strength

Tested in accordance with ASTM D790 is typically:

Ambient cure	5350 psi (36.9 MPa)
Post cure	4770 psi (32.9 MPa)

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HARDNESS

The hardness of the material when tested to ASTM D2240 is minimum 80 Shore D. (Ambient cure plus 2 hours at 100°C).

HEAT RESISTANCE

Heat Distortion Temperature (HDT)

Tested in accordance with ASTM D648 (264 psi fibre stress) is typically:

Ambient cure	111°F (44°C)
Post cure	266°F (130°C)

IMPACT RESISTANCE

Impact Strength

The impact strength (reverse notched) when tested to ASTM D256 is typically:

Ambient cure	0.75 ft.lb./in., 40.1 J/m
Post cure	0.87 ft.lb./in., 46.8 J/m

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 4981 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 Limited,
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 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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