

PRODUCT SPECIFICATION SHEET

BELZONA 3131

FN10064



GENERAL INFORMATION

Product Description:

A single component formulated solvent based moisture activated urethane for preventive maintenance and repairs on almost all types of roofs, even in inclement weather and at low temperatures.

It is used in conjunction with **Belzona 3931** Conditioner on porous surfaces and **Belzona 3921** (GSC Surface Conditioner) on glass and metallic surfaces. **Belzona 9361** is used to reinforce general roof areas and **Belzona 9351** is used where exceptional elasticity is required.

The system provides long term weatherproofing and water-proofing of almost all types of roof substrate and offers excellent protection against infra-red and ultra-violet radiation, and natural and industrial pollutants. It is impermeable to liquid water, but permeable to water vapor, thus allowing a moist roof to breathe. **Belzona 3131** will also cure down to 32°F (0°C), and is resistant to rain "wash-out".

Also used to water and weather proof non-roof structures such as storage tank bases.

Application Areas:

When mixed and applied as detailed in the Belzona Instructions for Use (IFU), the system is ideally suited for application to the following:

- Gutters
- Joints
- Ponded Areas
- Parapet Walls
- Seams
- Flat Roof Areas
- Glazing Bars
- Flashings
- Complex Roofs and Domes
- Tank Base Sealing

APPLICATION INFORMATION

Usable Life

Belzona 3131 is moisture-activated. Opened containers should not be left overnight or skinning will occur.

Drying Time

The touch dry and overcoat time is dependent on ambient conditions including temperature, humidity and wind speed but will normally be between 4-6 hours. It is resistant to rain "wash-out" immediately.

Coverage Rates

The first layer is applied to a dry film thickness of 20 mil (500 micron). This dry film thickness measurement includes the synthetic reinforcing sheet. The second layer should be applied to a dry film thickness of 10 mil (250 micron), giving an overall film thickness of approximately 30 mil (750 micron). Refer to the IFU for a guide to practical coverage rates.

Properties

Appearance	Thixotropic liquid
Color	Available in Light Gray and Slate Gray
Odor	Strong solvent
Density	1.36 g/cm ³
Volatile by volume	22%
VOC Content	200 gm/litre

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.

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ELONGATION PROPERTIES

The elongation of the reinforced system (**Belzona 9361**) after 7 days cure at 68°F (20°C) when tested against BS 2782 or similar test method is typically:

190%

TEAR STRENGTH

The tear strength of the reinforced system (**Belzona 9361**) after 7 days cure at 68°F (20°C), when tested in accordance with ASTM D624, will typically be:

195 pli (34.3 N/mm).

TENSILE PROPERTIES

The tensile strength of the reinforced system (**Belzona 9361**) after 7 days cure at 68°F (20°C) when tested against BS 2782 or similar test method is typically:

925 psi (6.4 N/mm²).

WATER VAPOR PERMEABILITY

The water vapor permeability of the reinforced system after 7 days cure at 68°F (20°C) is typically 25 grams per square meter per 24 hours at 68°F (20°C).

WEATHERING RESISTANCE

After 3 months exposure to QUV accelerated weathering (ASTM G53), **Belzona 3131** typically retains 125% elongation.

SHELF LIFE

Belzona 3131 shall have a shelf life of 12 months from date of manufacture when stored in original unopened containers between 41°F (5°C) and 86°F (30°C).

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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 3131 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.

HEALTH AND SAFETY

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

MANUFACTURER

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

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

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.

Nothing in the foregoing statement shall exclude or limit any liability of Belzona to the extent such liability cannot by law be excluded or limited.

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