

# PRODUCT SPECIFICATION SHEET

## BELZONA 4124

FN10187



### GENERAL INFORMATION

**Product Description:**

General purpose repair system for repairing and resurfacing concrete and stonework damaged by impact, vibration, chemicals and environmental attack. A combination of selected quartz particles and two specially formulated reactive liquid resins. Designed to be cost effective for large volume repairs. Note that this product is designed to be overcoated with other Belzona materials.

**Application Areas:**

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

Repairing and rebuilding any structure made from concrete, brick, marble, stone, etc.

### APPLICATION INFORMATION

**Working Life**

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

**Coverage Rates**

Each 18.13 kg (40 lb) unit applied at a thickness of ½ inch (12 mm) will cover approximately 7.5 ft<sup>2</sup> (0.7 m<sup>2</sup>).

**Cure Time**

Will be reduced for thicker sections and extended for thinner applications. Allow to solidify for the times shown in the Belzona IFU before subjecting it to the conditions indicated.

**Volume Capacity**

540 in<sup>3</sup> (8900 cm<sup>3</sup>) per 18.13 kg (40 lb) unit.

**Base Component**

|            |                          |
|------------|--------------------------|
| Appearance | Hazy Liquid              |
| Color      | Light amber              |
| Viscosity  | 8.4 poise at 72°F (22°C) |
| Density    | 1.10 g/cm <sup>3</sup>   |

**Solidifier Component**

|            |                             |
|------------|-----------------------------|
| Appearance | Clear Liquid                |
| Color      | Amber                       |
| Viscosity  | 1.2 poise at 72°F (22°C)    |
| Density    | 1.01-1.03 g/cm <sup>3</sup> |

**Aggregate Component**

|            |                           |
|------------|---------------------------|
| Appearance | Coarse granular powder    |
| Color      | Grayish white             |
| Density    | 2.6-2.9 g/cm <sup>3</sup> |

**Mixing Ratio**

For mixing small quantities the mixing ratio by weight of the component is:  
(Base : Solidifier : Aggregate) 6.7 : 1 : 53

*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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### ADHESION

#### Positest Dolly Pull-off

When tested in accordance with ASTM D4541 adhesion will typically be:

Dry concrete >500 psi (3.45 MPa)\*

\* Cohesive failure of substrate

### COMPRESSIVE PROPERTIES

#### Compressive Strength

When tested in accordance with ASTM D695 the compressive strength is typically 10,500 psi (72.4 MPa).

#### Compressive Modulus

When tested in accordance with ASTM D695 the compressive modulus is typically  $1.84 \times 10^5$  psi (1268 MPa).

### FLEXURAL PROPERTIES

#### Flexural Strength

The flexural strength of the material when tested to ASTM D790 is typically 3,500 psi (24.1 MPa).

### HEAT RESISTANCE

#### Heat Distortion Temperature (HDT)

The heat distortion temperature when tested to ASTM D648 is typically 127°F (53°C).

#### Heat Resistance

For many typical applications, the product is thermally stable to 300°F (150°C) dry and 140°F (60°C) wet, and down to -40°F (-40°C).

### SHRINKAGE

The material, when tested in accordance with ASTM C157, will show no measurable shrinkage during cure.

### SHELF LIFE

**Belzona 4124** 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).

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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 4124** 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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