



BELZONA® 4221 (MAGMA-SEAL)

INSTRUCTIONS FOR USE

1. TO ENSURE AN EFFECTIVE MOLECULAR WELD

All surfaces must be free of oil, grease, wax and dirt contamination. Spalled and deeply disintegrated concrete should be removed down to a sound surface and levelled using **Belzona® 4211** (Magma-Stop). Surfaces should be mechanically abraded to remove high spots and surface laitence. Where paints or coatings are present, optimum results are achieved by blasting, scabbling or grinding to completely remove them. Failure to remove all existing coatings can lead to impaired adhesion, and subsequent performance of the **Belzona® 4221** system.

New concrete should receive a rough, wood float finish and then be stiff bristle brushed to remove laitence. If power trowelling is carried out, it should be kept to a minimum and be followed by a light broom finish, again to remove surface laitence.

2. COMBINING THE REACTIVE COMPONENTS

Belzona® 4221 Powder and Liquid components are supplied in pre-measured quantities. Remove the Liquid component and the polythene bag of Powder component from the clean mixing bucket. First, pour the Liquid into the bucket. Slowly add the Powder component to the **Belzona® 4221** Liquid while mechanically mixing using a suitable agitator attached to a slow speed drill. Mechanical mixing is essential to ensure optimum performance. Mix thoroughly for a period of 3 - 5 minutes to an even consistency and manually stir occasionally during application of the product.

NOTES:

1. USABLE LIFE

The usable life of mixed **Belzona® 4221** is a minimum of one hour at 70°F (20°C). Keep mixed materials stirred during application.

2. MIXING RATIO FOR SMALL QUANTITIES

If less than 20kg of **Belzona® 4221** is required, use a mixing ratio of 3 parts **Belzona® 4221** Powder to 1 part **Belzona® 4221** Liquid by volume.

3. APPLYING BELZONA® 4221

Apply **Belzona® 4221** using a short, stiff bristled, brush. A 6 inch wide brush is ideal. Over very dry surfaces, particularly in sunlight, it is advisable to spray mist the surface with water before application. Application should not be made at temperatures below 41°F (5°C).

Apply a second coat of **Belzona® 4221** once the first coat has become touch dry (6-8 hours). If more than 24 hours elapse before application of the second coat, wet the surface prior to application.

NOTES:

1. COVERAGE RATE

The mixed unit of **Belzona® 4221** will be sufficient to cover 140-150 sq.ft. (13-14 m²) per coat at a film thickness of 25 mils (0.625 mm) per coat.

2. DIFFERENTIATION BETWEEN LAYERS

Belzona® 4221 is available in gray and white, to facilitate application and to prevent misses. In service the colour of the applied product may change.

3. CLEANING EQUIPMENT

Equipment can be cleaned immediately after use with water.

HEALTH & SAFETY INFORMATION

Please read and make sure you understand the relevant Material Safety Data Sheets.

All descriptions are based on the results of long term tests carried out in our laboratories and are believed to be true and accurate. No condition or warranty is given covering the results from the use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept liability if the desired results are not obtained.

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Printed in England Publication No. 21-2-02

Belzona Polymerics Ltd.,
Claro Road,
Harrogate, HG1 4AY, England.
Tel: +44 (0) 1423 567641
Fax: +44 (0) 1423 505967
E-Mail: belzona@belzona.co.uk

Belzona Inc.,
2000 N.W. 88 Court,
Miami, Florida 33172, U.S.A.
Tel: +1 (305) 594 4994
Fax: +1 (305) 599 1140
E-Mail: belzona@belzona.com



BS EN ISO 9002 : 1994
Certificate No. Q09335



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