

Belzona 4124

FN10187 (BULKFILL)



INSTRUCTIONS FOR USE

1. TO ENSURE AN EFFECTIVE MOLECULAR WELD

Any surface to which **Belzona 4124** (Bulkfill) is to be applied must be clean, firm and dry. Wash old concrete down with detergent to remove oil, grease and dust. Use clean water to wash away the detergent. Remove all paint, tar and any other coatings.

Allow new concrete to cure for a minimum of 28 days or until the moisture content is below 6% using a Protimeter.

In all instances vacuum up any loose dust produced by surface preparation techniques.

NOTE: Damp surfaces should be conditioned with **Belzona 4911** (Magma TX Conditioner) prior to application of **Belzona 4124**. Substrates should be conditioned with **Belzona 4911** if application is subjected to severe loads. Please refer to **Belzona 4911** Instructions for Use for application details.

2. COMBINING THE REACTIVE COMPONENTS

Prior to mixing, inspect the Base component of **Belzona 4154** (Bulkfill Resin) for signs of crystallization, such as cloudy liquid, white particles. If crystallization does occur, simply warm the Base up to 104-122°F (40-50°C) to melt the crystals and slowly stir until all the crystals are dissolved. Allow the Base to cool down before mixing. This phenomenon does not affect the resin performance.

Due to the bulk and stiffness of the mixed materials, it is essential that a mechanical mixer is used to ensure complete mixing.

With the mixer running, empty the entire contents of the Base and Solidifier units of **Belzona 4154** into the mixing bucket. Allow the mixer to run 1-2 minutes to achieve a homogenous mix.

Immediately with the mixer still running, slowly add the **Belzona 4124** Aggregate into the resin mix until the desired consistency is obtained. For screeding or trowelling, add all the Aggregate to the mixed resins. Mix for 5 minutes and then proceed immediately to Section 3 "Applying **Belzona 4124**".

NOTES:

1. WORKING LIFE

From the commencement of mixing, **Belzona 4124** must be applied within the times shown below:

Temperature	50°F (10°C)	59°F (15°C)	68°F (20°C)	77°F (25°C)
Use all material within	2 hours	1 hour	45 mins	30 mins

These times are based on ALL the aggregate being added to the mixed Base and Solidifier. Use of small amounts will REDUCE the usable life.

2. VOLUME CAPACITY OF MIXED BELZONA 4124

540 in³ (8900 cm³) per 18.13 kg (40 lb) pack.

3. COVERAGE RATE

The coverage rate of **Belzona 4124** is 7.5 ft² (0.7 m²) at an average thickness of 0.5 in (12 mm) per 18.13 kg (40 lb) pack.

3. APPLYING BELZONA 4124

Apply the mixed **Belzona 4124** directly on to the prepared surface, initially spreading to a general level using normal screeding techniques and then tamp down firmly with the trowel or float to remove entrapped air, to compact the **Belzona 4124**, and to ensure maximum contact with the surface.

The **Belzona 4124** should be applied to within ¼ in (6 mm) of the final desired surface and a ¼ in (6 mm) screed of **Belzona 4111** or **Belzona 4131** applied on top.

NOTES

1. APPLICATION LIMITS

Belzona 4124 can be applied when the temperature is anywhere between 50°F (10°C) and 77°F (25°C). Below 50°F (10°C) the material may be too stiff for easy mixing and application, and above 77°F (25°C) the material may be somewhat "fluid" and will have a short usable life.

2. CLEANING

All mixing tools should be cleaned immediately after use with **Belzona 9111** (Cleaner/Degreaser) or any other effective solvent e.g. MEK. Brushes and other application tools should be cleaned using a suitable solvent such as **Belzona 9121**, MEK, acetone or cellulose thinners.

3. STORAGE

Belzona 4154 Base has the tendency to crystallize after a long period of storage. If this occurs, proceed according to the instructions under Section 2.

4. APPLICATION OF BELZONA 4111 OR BELZONA 4131

The **Belzona 4124** should be overcoated within 24 hours with either **Belzona 4111** or **Belzona 4131** using **Belzona 4911** between layers.

If left longer than 24 hours the surface of the **Belzona 4124** must be abraded prior to application of the **Belzona 4111** or **Belzona 4131** System.

5. COMPLETION OF THE MOLECULAR REACTION

Allow **Belzona 4124** to solidify for the following times before subjecting it to the conditions indicated:

Temperature	Overcoating	Full mechanical hardness
50°F/10°C	12 hours	3 days
59°F/15°C	8 hours	2 days
68°F/20°C	6 hours	24 hours
77°F/25°C	5 hours	16 hours

HEALTH & SAFETY INFORMATION

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

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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