

Belzona 3131

FN10064 (WG MEMBRANE)



INSTRUCTIONS FOR USE

1. TO ENSURE AN EFFECTIVE MOLECULAR WELD

APPLY ONLY TO STRUCTURALLY SOUND SURFACES

- a) Remove mineral chippings of 1/4 in. (6mm) or more and sweep the area clean before proceeding to (b).
- b) All surfaces should be made clean, dry and firm. Cut out blisters and bulges in asphalt. Treat substrates where moss, lichens and vegetation have been removed with a fungicidal wash (e.g. Nuodex or similar) applied to the manufacturers' instructions to kill off residual spores.
- c) Degrease all metals and glass with **Belzona® 9111** (Cleaner/Degreaser) or any other effective cleaner which does not leave a residue, e.g. methyl ethyl ketone (MEK). Wash all non-porous surfaces with a mild detergent solution and allow to dry before commencing application.
- d(i) ROOFING FELT, ASPHALT or OTHER BITUMINOUS SURFACES
No Conditioner is required. **Belzona® 3131** may be applied directly onto the prepared substrate.
- d(ii) BRICK, CONCRETE or OTHER POROUS SURFACES
Condition with **Belzona® 3931**. Shake the unit and then brush the **Belzona® 3931** well into the surface, not exceeding the coverage rates shown. Allow to become touch dry (1 - 4 hours depending on weather conditions) before applying **Belzona® 3131**. Under no circumstances should the **Belzona® 3931** be left longer than 2 days* before overcoating with **Belzona® 3131**.
- d(iii) GLASS, SLATE, LEAD, COPPER, ALUMINIUM and other NON-POROUS SURFACES EXCEPT PLEXIGLASS AND OTHER PLASTICS
Condition with **Belzona® 3921** (GSC Surface Conditioner) which is supplied in 2 parts, Base and Solidifier. Stir the contents of the Base can until smooth and then add the entire contents of the Solidifier can, stirring continuously to achieve an even color and smooth consistency. Use mixed material within 48 hours, as after this time it will begin to solidify. For mixing small quantities, use a ratio of 7 parts of Base to 2 parts of Solidifier by volume. Brush the **Belzona® 3921** well into the surface, not exceeding the recommended coverage rate. Leave for at least 16 hours but no longer than 2 days* before overcoating with **Belzona® 3131**.

d(iv) REFURBISHMENT OF EXISTING **BELZONA® 3131** OR **BELZONA® 3111** (FLEXIBLE MEMBRANE)
Wash down with water to remove all surface dirt before applying **Belzona® 3131** directly.

e) Clean brushes immediately after use with a suitable solvent such as **Belzona® 9121**, MEK, acetone or cellulose thinners.

* **If these times are exceeded, a further application of the relevant Surface Conditioner should be made before applying the Belzona® 3131.**

NOTE:

Belzona® 3921 has a 5 year shelf life and **Belzona® 3931** has a 2 year shelf life from date of manufacture when stored in their original unopened containers at 41 - 86°F (5 - 30°C).

2. APPLYING BELZONA® 3131

Apply **Belzona® 3131** as a two coat system incorporating reinforcing sheet in the first layer. Application is best achieved using simulated sheepskin (not foam) rollers on large areas and brushes on detail work. Use **Belzona® 9361** reinforcing sheet on general roof areas. Use **Belzona® 9351** reinforcing sheet on problem areas where exceptional elasticity is required.

FIRST LAYER

Apply **Belzona® 3131**, within the coverage rates quoted in Section 4, and whilst still wet lay **Belzona® 9361** reinforcing sheet on the surface. Carefully brush over the surface working from the centre outward to ensure complete wetting and to avoid air entrapment and creases.

Overlap sheet by at least 0.5in. (12.5mm)

SECOND LAYER

Apply the second coat of **Belzona® 3131** as soon as it is possible to do so without disturbing the first layer, preferably within 48 hours. Ensure coverage rates in Section 4 are observed.

NOTES:

1. APPLICATION IN HOT WEATHER

Belzona® 3131 may sag slightly if applied to vertical surfaces in hot weather, hence it is recommended that **Belzona® 3111** is used at such times.

2. BRIDGING JOINTS AND CRACKS

Use plastic backed adhesive tape (minimum 75 mm. width) to bridge joints in gutters, expansion cracks on flat roofs or any other surface irregularities, to provide a smooth surface.

3. COMPLETION OF THE MOLECULAR REACTION

Belzona® 3131 is water resistant a short while after application, but the times taken to develop ultimate adhesive and mechanical properties are given below:

Ambient Temperature	68°F (20°C)	50°F (10°C)	32°F (0°C)
Time to develop ultimate properties	7 days	15 days	30 days

4. COVERAGE RATES

Theoretical Coverage Rates

- Belzona® 3931** 194 sq.ft. (18 sq.m.)/liter at 1 mil d.f.t.
- Belzona® 3921** 67 sq.ft. (6.3 sq.m.)/kg at 1.3 mil d.f.t.
- Belzona® 3131** 1st Layer - 17 sq.ft. (1.6 sq.m.)/liter at 20 mil (500 microns) d.f.t.
- Belzona® 3131** 2nd Layer - 34 sq.ft. (3.2 sq.m.)/liter at 10 mil (250 microns) d.f.t.

These coverage rates can be achieved on smooth surfaces. In practice, many factors influence the exact figure achieved. Practical coverage rates are quoted below.

	Surface Conditioner		Belzona® 3131 (Reinforced System)	
	Belzona® 3931 Per Liter	Belzona® 3921 Per Kg	1st Layer Per Liter	2nd Layer Per Liter
New Asbestos Cement	180.0 sq.ft. 16.7 sq.m.		16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Old Asbestos Cement	90.0 sq.ft. 8.4 sq.m.		12.05 sq.ft. 1.12 sq.m.	33.0 sq.ft. 3.0 sq.m.
Concrete/Brick	80.0 sq.ft. 7.4 sq.m.		10.3 sq.ft. 0.96 sq.m.	33.0 sq.ft. 3.0 sq.m.
Breeze Block/Tyrolean	45.0 sq.ft. 4.2 sq.m.		8.6 sq.ft. 0.8 sq.m.	22.0 sq.ft. 2.0 sq.m.
Asphalt	No Conditioner required		16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Smooth Felt/Bitumen	No Conditioner required		16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Mineral Felt/Small Chippings	No Conditioner required		10.3 sq.ft. 0.96 sq.m.	33.0 sq.ft. 3.0 sq.m.
De-chipped Surfaces (1)	No Conditioner required		10.3 sq.ft. 0.96 sq.m.	33.0 sq.ft. 3.0 sq.m.
Glazing Bars (Wood)		38.0 sq.ft. 3.5 sq.m.	10.3 sq.ft. 0.96 sq.m.	33.0 sq.ft. 3.0 sq.m.
Glazing Bars (Metal)		60.0 sq.ft. 5.6 sq.m.	16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Slate		38.0 sq.ft. 3.5 sq.m.	8.6 sq.ft. 0.8 sq.m.	24.0 sq.ft. 2.2 sq.m.
Galvanized Steel		54.0 sq.ft. 5.0 sq.m.	16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Non-Ferrous Metals		60.0 sq.ft. 5.6 sq.m.	16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Iron or Steel		45.0 sq.ft. 4.2 sq.m.	16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.
Recoating Belzona® 3131 or Belzona® 3111	No Conditioner required		16.1 sq.ft. 1.50 sq.m.	33.0 sq.ft. 3.0 sq.m.

- (1) Large chippings, if not removed, will substantially reduce the coverage rates given above.

HEALTH & SAFETY INFORMATION

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

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