Belzona 5151

(HI-BUILD CLADDING)

BELZONA®
Repair • Protect • Improve

INSTRUCTIONS FOR USE

1. TO ENSURE AN EFFECTIVE MOLECULAR WELD

APPLY ONLY TO STRUCTURALLY SOUND SURFACES

a) Make good badly deteriorated pointing in brick and stonework.

b) Remove areas of spalled concrete and rebuild using a suitable material.

c) Any hollow or unsecured cement rendering located by hammer tapping should be removed and replaced by new rendering.

d) All surfaces must be made clean and firm by grit blasting or water blasting, scraping or wire brushing to remove all lichen, moss, flaking paint and powdery surface deposits. Sand down any firm paintwork and remove all dust.

e) Treat substrates where moss, lichens and vegetation have been removed with a fungicidal wash (e.g. Nuodex or similar) applied to the manufacturer's instructions to kill off residual spores.

f) Brush apply **Belzona® 3911** (PSC Conditioner) which is supplied ready for use. Shake the unit and then brush well into the surface, taking care not to exceed the coverage rates indicated in Section 3. Allow to become touch dry (30 minutes - 4 hours depending on weather conditions) before applying **Belzona® 5151.** Under no circumstances should the **Belzona® 3911** be left for longer than 2 days before overcoating with **Belzona® 5151.** If this time is exceeded a further coat of **Belzona® 3911** should be applied.

g) Brushes should be cleaned using a suitable solvent such as **Belzona® 9121,** MEK, acetone or cellulose thinners.

2. APPLYING BELZONA® 5151

Do not apply when: Rain, Snow, Fog or Mist is present. The temperature is below 41°F (5°C) or the relative humidity is above 80%. In addition, situations involving a combination of high relative humidity and low temperature will result in the rate of drying being dramatically retarded and application under such conditions should be avoided.

a) **BRUSH APPLICATION**

i) Apply the first coat of **Belzona® 5151** with a soft bristled, good quality brush over a previously conditioned area, taking care not to exceed the coverage rates indicated in Section 3. Leave for at least 2 - 4 hours but no longer than 7 days before overcoating with second layer of **Belzona® 5151.**

ii) Apply the second layer of **Belzona® 5151** giving a smooth finish, free from pinholes, not exceeding the quoted coverage rates.

iii) Clean brushes and equipment immediately after use with cold water.

b) **ROLLER APPLICATION**

As an alternative to application by brush, the material may be applied using a lambswool roller. Using this technique, a textured finish will be achieved or alternatively, the roller applied material may subsequently be laid off with a brush to give a smooth finish.

NOTES:

1. BRIDGING JOINTS AND CRACKS

Belzona® 5151 will bridge and seal hairline cracks (up to 2 mm) but any wider cracks should first be sealed with **Belzona® 9311** (Reinforcing sheet) and **Belzona® 5151.** Lay out the **Belzona® 9311** over the previously conditioned area and brush apply the **Belzona® 5151.** Smooth over with the brush to ensure complete wetting and leave a finish free from creases. Allow to dry thoroughly before overcoating as above.

Wider cracks should be "Vee'd" out and filled with **Belzona® 4141** (Magma-Build) prior to conditioning and application of the two coat reinforced **Belzona® 5151** System.

2. UNEVEN FINISH
If an uneven finish results from over brushing, correct this by lightly brushing over the partially dried area with a clean, wet, soft bristled brush.

3. DRYING TIMES
Belzona® 5151 applied to exterior walls, under good drying conditions, will be water resistant within 40 minutes of application. UNDER COLD, STILL OR HUMID CONDITIONS, OR WHEN APPLIED TO INTERIOR WALLS, THIS TIME WILL BE SIGNIFICANTLY EXTENDED, AND THERE WILL BE AN ASSOCIATED EXTENSION TO THE TIME AT WHICH THE COATING BECOMES WATER RESISTANT.

4. THINNING
Thinning may be necessary in warm, dry or windy conditions. Add clean water to **Belzona® 5151,** up to a maximum of 5% by volume, while continuously stirring. Standard coverage rates apply, regardless of whether or not thinning takes place.

3. COVERAGE RATE

The coverage rate of **Belzona® 3911** is critically dependent on the nature of the substrate, being affected principally by surface profile and absorbency, although other factors such as climatic conditions, skill and experience of the applicator, practicability and accessibility may influence the exact figure obtained. The table below is a guide to the practical coverage rates which should be obtained.

Once the surface has been sealed by the **Belzona® 3911** the nature of the substrate has a less significant effect on the coverage rate of the **Belzona® 5151,** although surface profile clearly has a marked effect. The practical coverage rates given in the table below are a guide to those which should be aimed for in order to achieve the recommended dry film thickness of 6 - 8 thou (150 - 200 microns).

Substrate	Belzona® 3911 per litre	1st coat Belzona® 5151 per litre	2nd coat Belzona® 5151 per litre
New asbestos sheeting	100.0 sq.ft. 9.3 sq.m.	43.0 sq.ft. 4.0 sq.m.	64.0 sq.ft. 6.0 sq.m.
Old asbestos sheeting	50.0 sq.ft. 4.6 sq.m.	32.0 sq.ft. 3.0 sq.m.	43.0 sq.ft. 4.0 sq.m.
Breeze Block/ Tyrolean	25.0 sq.ft. 2.3 sq.m.	32.0 sq.ft. 3.0 sq.m.	43.0 sq.ft. 4.0 sq.m.
Concrete	54.0 sq.ft. 5.0 sq.m.	43.0 sq.ft. 4.0 sq.m.	43.0 sq.ft. 4.0 sq.m.
Rough brick	37.5 sq.ft. 3.5 sq.m.	32.0 sq.ft. 3.0 sq.m.	43.0 sq.ft. 4.0 sq.m.
Smooth brick	64.5 sq.ft. 6.0 sq.m.	43.0 sq.ft. 4.0 sq.m.	54.0 sq.ft. 5.0 sq.m.
Cement rendering	54.0 sq.ft. 5.0 sq.m.	43.0 sq.ft. 4.0 sq.m.	54.0 sq.ft. 5.0 sq.m.
Stone	48.5 sq.ft. 4.5 sq.m.	48.5 sq.ft. 4.5 sq.m.	43.0 sq.ft. 4.0 sq.m.
Belzona 5151	92.5 sq.ft. 8.5 sq.m.	54 sq.ft. 5 sq.m.	64 sq.ft. 6 sq.m.

Always verify actual coverage rates with the first unit applied

HEALTH & SAFETY INFORMATION
Please read and make sure you understand the relevant Material Safety Data Sheets.

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