Belzona 3921

FN10068 (GSC SURFACE CONDITIONER)

BELZONA®
Repair • Protect • Improve

INSTRUCTIONS FOR USE

1. TO ENSURE AN EFFECTIVE MOLECULAR WELD

a) **MANUALLY PREPARED STEELWORK**
All loose adherent and flaking rust should be removed by scraping and wire brushing, wherever possible with the aid of mechanical equipment, until a firm edge is obtained. Where the steel to be treated is contaminated by chemicals, it must first be thoroughly cleaned. In the case of water soluble materials, e.g. metal salts, this can be done by repeated washing by water jet. In the case of oils, grease or other solvent soluble contaminants, the steel should be washed repeatedly with **Belzona® 9111** or other suitable cleaner such as MEK, and must be allowed to completely evaporate prior to application of the **Belzona® 3921**.

b) **GRIT BLASTED STEELWORK**
Steel contaminated by chemicals should first be thoroughly cleaned using a high pressure water jet whilst steel contaminated by oil, grease etc. must first be thoroughly washed down with **Belzona® 9111** or other suitable cleaner such as MEK. Select an abrasive to give the necessary standard of cleanliness and a minimum depth of profile of 3 mils (75 microns). Use only an angular abrasive.

Blast clean the metal surface to achieve the following standard of cleanliness:
ISO 8501-1 Sa 2½ very thorough blast cleaning.
American Standard near white finish SSPC SP 10.
Swedish Standard Sa 2½ SIS 05 5900.

c) **GLASS, SLATE, LEAD, COPPER, ALUMINIUM and other NON-POROUS SURFACE EXCEPT PLEXIGLAS and other PLASTICS.**
Brush away loose contamination and degrease with a rag soaked in **Belzona® 9111** (cleaner/degreaser) or any other effective cleaner which does not leave a residue e.g. methyl ethyl ketone (MEK).

2. COMBINING THE REACTIVE COMPONENTS

Stir the contents of the Base container thoroughly to reincorporate any settlement. Shake the Solidifier container. Pour the contents over the Base in the mixing unit. Mix thoroughly together to achieve a uniform material free of any streakiness.

WORKING LIFE
Use mixed material within 48 hours, as after this time it will begin to solidify.

MIXING SMALL QUANTITIES
For mixing small quantities of **Belzona® 3921** use:
7 parts Base to 2 parts Solidifier by volume.

3. APPLYING BELZONA® 3921

FOR BEST RESULTS
Do not apply when:
i) Rain, snow, fog or mist is present.
ii) The temperature is below 41°F (5°C) or the relative humidity is above 80%.
iii) A combination of high relative humidity and low temperature occurs.
iv) Any of the above conditions is likely to occur within 45 minutes.

Brush the **Belzona® 3921** well into the surface, not exceeding the recommended coverage rate.

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

THINNING
Thinning may be necessary in warm, dry or windy conditions. **Belzona® 3921** may be thinned by adding 10% by volume of **Belzona® 9121**. Standard coverage rates apply, regardless of whether or not thinning takes place.

Substrate	Coverage rate
Iron / Steel	45sq.ft. (4.2 m²) / kg.
Galvanized Steel	54sq.ft. (5.0 m²) / kg.
Non-ferrous metals	60sq.ft. (5.6 m²) / kg.
Slate	38sq.ft. (3.5 m²) / kg.
Glass	60sq.ft. (5.6 m²) / kg.
Smooth painted surfaces	60sq.ft. (5.6 m²) / kg.
Synthetic polymer single ply roof sheeting*	60sq.ft. (5.6 m²) / kg.

* **Note**
Due to the wide range of single ply roofing sheets available, an adhesion trial is recommended to confirm suitability on specific surfaces.

Belzona® 3921 may be spray applied only to grit blasted steelwork.

A typical spray set-up for **Belzona® 3921** using a Pressure Feed spray gun is:-

DeVibliss JGA 502-1, No 54 air cap,
Atomizing pressure 40-50 p.s.i. (2.8-3.5 kg/cm²)
Pot pressure 10-20 p.s.i. (0.7-1.4 kg/m²)
with air supply 9.7 cu.ft./min (0.27 m³/min).

CLEANING
Clean all application equipment immediately after use with **Belzona® 9121**. It is not satisfactory to simply soak equipment in **Belzona® 9121** as **Belzona® 3921** continues to harden chemically even when immersed.

OVERCOATING
Belzona® 3921 may be overcoated after leaving for at least 4 hours (16 hours when overcoating with **Belzona® 3131**), but no longer than 48 hours. If left longer than 48 hours a further coat of **Belzona® 3921** should be applied and left for the previously recommended times.

HEALTH & SAFETY INFORMATION
Please read and make sure you understand the relevant Material 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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Q 09335
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BELZONA®
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