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PRODUCT SPECIFICATION SHEET **BELZONA® 3921**

1. PRODUCT NAME

Belzona® 3921
(GSC Surface Conditioner)

2. MANUFACTURER

Belzona Inc.,
2000 NW 88th Court,
Miami, Florida 33172.

Belzona Polymerics Ltd.,
Claro Road, Harrogate,
HG1 4AY, England.

3. PRODUCT DESCRIPTION

A two part reduced zinc epoxy system providing corrosion protection to steel-work. Adheres to a wide range of non-porous surfaces. Part of the **Belzona® 3111** and **Belzona® 3211** system when application is to non-porous surfaces. Also used as a holding primer on steel prior to application of coating such as **Belzona® 5811**.

Use on:

Iron/steel
Galvanised steel
Non-ferrous metals
Slate
Glass
GRP/FRP

4. TECHNICAL DATA

Base Component:

Appearance Semi-thixotropic liquid
Color Gray
Odor
Solvent
Viscosity 2.5 - 4.5 poise
Density 2.24 - 2.28 g/cm³

Solidifier Component

Appearance Mobile liquid
Color Cream
Odor Solvent
Density 0.99 - 1.03 g/cm³
Viscosity (flow cap) 55 - 85 sec.
77°F (25°C)

Mixed Components

Mixing Ratio by Volume
(Base : Solidifier) 2.235 : 1
Mixing Ratio by Weight
(Base : Solidifier) 5 : 1
Density 1.87 g/cm³
Appearance Liquid
Color Gray
Odor Solvent

• **VOC Content:**

	lbs/US gal	g/liter
Base	3.41	408
Solidifier	5.37	643
Mixed	3.96	475

• **Shelf Life:**

Separate base and solidifier components will have a guaranteed minimum shelf life of 3 years when stored between 32°F (0°C) and 86°F (30°C).

• **Working Life:**

Once mixed the usable life will vary with temperature.

50°F (10°C)	72 hours
68°F (20°C)	48 hours
86°F (30°C)	24 hours

• **Coverage Rate:**

The practical recommended coverage rates are as follows:

Substrate	Coverage rate
Iron / Steel	60 sq.ft. (5.6 m ²)/kg
Galvanised Steel	70 sq.ft. (6.5 m ²)/kg
Non-ferrous metals	80 sq.ft. (7.4 m ²)/kg
Slate	50 sq.ft. (4.6 m ²)/kg
Glass	80 sq.ft. (7.4 m ²)/kg

• **Overcoating Times:**

Belzona® 3921 may be overcoated after leaving for at least 4 hours, 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.

5. PHYSICAL / MECHANICAL PROPERTIES

Determined after 7 days cure at 77°F (25°C).

• **Adhesion**

Cross Hatch

When tested in accordance with BS 3900 Part E6 a 100% pass is obtained.

Tensile Shear

When tested in accordance with ASTM D1002 the typical tensile shear adhesion obtained is 1150 psi (80 kgs/cm²).

• **Chemical Resistance:**

If the **Belzona® 3921** system is likely to come into contact with aggressive chemicals, **Belzona® 5111** or **Belzona® 5811** should be used to overcoat the **Belzona® 3921**.

For further details contact your Local Belzona Technical Consultant.

• **Impact Resistance :**

When tested in accordance with BS 3900 Part E3 a pass is obtained up to 1/20 inch (1.25 mm).

6. SURFACE PREPARATION AND APPLICATION PROCEDURES

For proper technique, refer to Belzona® Instructions For Use Leaflet which is enclosed with each packaged product.

7. AVAILABILITY AND COST

Belzona® 3921 is available from a network of Belzona® Distributors throughout the world for prompt delivery to the application site. For information, consult the Belzona® Distributor in your area.

8. WARRANTY

Belzona® guarantees this product will meet the performance claims stated herein when material is stored and used as instructed in the Belzona® Instructions For Use leaflet. Belzona® further guarantees that all its products are carefully manufactured to ensure the highest quality possible and tested strictly in accordance with universally recognised standards (ASTM, ANSI, BS, DIN, etc.). Since Belzona® has no control over the use of the product described herein, no warranty for any application can be given.

9. TECHNICAL SERVICES

Complete technical assistance is available and includes fully trained Technical Consultants, technical service personnel and fully staffed research, development and quality control laboratories.

10. HEALTH AND SAFETY

Prior to using this material, please consult the relevant Material Safety Data Sheets.

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