PRODUCT SPECIFICATION SHEET

BELZONA® 5131

1. PRODUCT NAME

Belzona® 5131 (EG-Cladding)

For the treatment of exterior and interior wall structures

2. MANUFACTURER

Belzona Inc.

2000 N.W. 88th Court Miami, Florida 33172

Belzona Polymerics Ltd.

Claro Road, Harrogate, HG1 4AY, England

3. PRODUCT DESCRIPTION

A modified acrylic emulsion that incorporates hollow borosilicate microspheres to produce a lightweight weather resistant thermal protection system.

Belzona® 5131 was specifically developed to combat exterior water penetration and with its low carbon dioxide permeability reduce the risk of carbonation.

The low thermal conductivity of **Belzona® 5131** together with its low heat capacity means cold surfaces treated with the material feel warmer and hot surfaces feel cooler. This coating is ideal for upgrading the appearance of walls and structures. Other applications include:

Metal roofs and cladding
Ducting and pipework
Cold pipework
External tanks
Ceilings and underside of roofs
Cellars and basements

4. TECHNICAL DATA

A one component product.

Appearance Thixotropic liquid
Color Available in Sandstone
or Limestone White
Density 0.90 - 0.98 g/cm³
Gel strength
at 68°F (20°C) 100 - 160 g/cm
Freezing point 32°F (0°C)

Solids content by weight 56 - 58%

• Shelf Life:

When stored in unopened containers between 41°F (5°C) and 86°F (30°C), this material is expected to have a shelf life of at least 5 years.

• Usable Life:

At temperatures between 41°F (5°C) and 86°F (30°C) this material will have an indefinite usable life.

• Drying Time:

Applied under good drying conditions, will be water resistant within 30 minutes of application. Under cool or humid conditions, this time will be extended. The product should not be applied when the relative humidity is above 80% or the surface temperature is below 41°F (5°C).

• Coverage Rates:

An average dry film thickness for **Belzona® 5131** of 6-8 mil (150-200 microns) should be aimed for.

Nature and profile of substrate have a marked effect and coverage rate listed in chart below should be obtained.

5. PHYSICAL / MECHANICAL PROPERTIES

• Elongation at Break:

The elongation of the system after 7 days cure at 68°F (20°C) when tested against BS 2782 or similar test method is typically, 960%

• Tear Strength:

The tear strength of the system after 7 days cure at 68°F (20°C) is typically, 80 pli.

• Tensile Strength:

The tensile strength of the system after 7 days at 68°F (20°C) when tested against BS 2782 or similar test method is typically, 190 psi (13 kgs/cm²).

Thermal Conductivity:

The table below provides comparative figures between **Belzona® 5131** and traditional materials.

• Thermal Imagery Testing:

Independent thermographic tests measured heat transfer using an infra-red camera. It was demonstrated that there is a substantially less degree of heat transfer as compared to conventional coatings.

Product	Belzona® 5961	Belzona® 3921	Belzona® 5131
Substrate	per litre	per litre	per litre
New Asbestos Sheeting Old Asbestos Sheeting Breeze Block / Tyrolean Concrete Rough Brick Smooth Brick Cement Rendering Unpainted Plaster Stone Galvanised Steel Non-Ferrous Metals Iron or Steel Belzona® 5131	8.0 m² (86.0 ft²) 4.0 m² (43.0 ft²) 1.5 m² (16.0 ft²) 5.0 m² (54.0 ft²) 3.5 m² (37.5 ft²) 6.0 m² (64.5 ft²) 5.0 m² (54.0 ft²) 8.0 m² (86.0 ft²) 4.5 m² (48.5 ft²)	6.5 m ² (70.0 ft ²) 7.4 m ² (80.0 ft ²) 5.6 m ² (60.0 ft ²)	2.5 m² (27.0 ft²) 1.7 m² (18.3 ft²) 1.0m² (10.8 ft²) 2.0 m² (21.5 ft²) 1.5 m² (16.0 ft²) 2.3 m² (24.8 ft²) 2.5 m² (27.0 ft²) 2.0 m² (21.0 ft²) 2.7 m² (29.5 ft²)

6. SURFACE PREPARATION AND APPLICATION PROCEDURES

To ensure good adhesion, the substrate must be treated with **Belzona® 5961**, or **Belzona® 3921** as appropriate prior to the application of the **Belzona® 5131**. For proper technique, refer to the Belzona® Instructions For Use Leaflet which is enclosed with each packaged product.

7. AVAILABILITY AND COST

Belzona® 5131 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 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 recognized 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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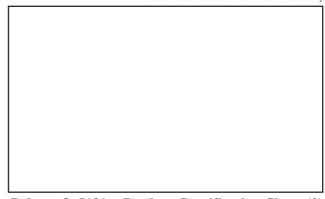
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