

# PRODUCT SPECIFICATION SHEET

## BELZONA 5233 (Clear)

FN10191



### GENERAL INFORMATION

#### Product Description:

**Belzona 5233-Clear** is a two-component, waterborne, UV stable clear coating. **Belzona 5233-Clear** has been designed to be used in conjunction with a first coat (e.g. **Belzona 5231** or **Belzona 5811**) and colored quartz aggregate or vinyl chips. These types of flooring systems exhibit outstanding mechanical strength, are aesthetically pleasing, durable and are ideal for commercial and industrial applications. **Belzona 5233-Clear** is also suitable to be applied directly as a sealer coat for concrete.

#### Application Areas:

When mixed and applied as detailed in the Belzona Instructions for Use (IFU), the system is ideally suited for the following areas:

- Manufacturing Plants
- Industrial Utilities
- Processing Areas
- Workshops
- Loading Decks
- Showrooms
- Warehouses
- Convention Centers
- Leisure and Education Facilities

### APPLICATION INFORMATION

#### Application Methods

Roller  
Brush

#### Application Temperature

Application should ideally occur in the following ambient temperature range: 50°F (10°C) to 95°F (35°C).

#### Coverage Rate

At a thickness of 5 mils (125 microns) (WFT), the theoretical coverage rate will be:  
86.1 ft<sup>2</sup> (8.0 m<sup>2</sup>)/Litre

#### Cure Time

Cure times will vary depending on the ambient conditions; consult the IFU for specific details.

#### Mixed Properties

Color Clear  
Density 1.10 g/cm<sup>3</sup>  
Viscosity 380 cps

#### Mix Ratio (Base : Solidifier)

3.3 : 1 by weight  
3.7 : 1 by volume

#### Overcoat Window

Where an additional coat of Belzona 5233-Clear is required, the product has a maximum overcoating time of 24 hours, irrespective of temperature.

#### Working Life

The working life at a temperature range of 50-104°F (10-40°C) will typically be 1 hour.

*The above application information serves as introductory guide only. For full application details including the recommended application procedure/technique, refer to the Belzona IFU which is enclosed with each packaged product.*

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### ABRASION

#### Taber

The Taber abrasion resistance determined in accordance with ASTM D4060 with 1 kg load is typically:

CS17 wheels (Dry)                      13 mm<sup>3</sup> loss per 1000 cycles

### ADHESION

#### Pull Off Adhesion

The PosiTest dolly pull off strength, as determined in accordance with ASTM D4541 and ISO 4624, will typically be:

Concrete:                                      400 psi / 2.76 MPa  
(cohesive failure of substrate)

### HARDNESS

The Pencil and König pendulum, when determined in accordance with ASTM D3363 and ASTM D4366/ISO 1522 respectively, will typically be:

68°F/20°C cure	
Pencil	9H
König damping time (s)	125

### SHELF LIFE

Separate base and solidifier components shall have a shelf life of 2 years from date of manufacture when stored in their original unopened containers between 41°F (5°C) and 77°F (25°C).

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### WARRANTY

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

### AVAILABILITY AND COST

**Belzona 5233** 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.

### HEALTH AND SAFETY

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

### MANUFACTURER / SUPPLIER

Belzona Inc.  
14300 NW 60<sup>th</sup> Ave,  
Miami Lakes, FL, 33014, USA

Belzona Polymerics Ltd.  
Claro Road, Harrogate,  
HG1 4DS, UK

### TECHNICAL SERVICE

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

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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