PRODUCT SPECIFICATION SHEET
BELZONA 5233
FN10158

GENERAL INFORMATION

Product Description:
A two-component system, waterborne, UV stable protective top coat. Belzona 5233-Clear has been designed to be used in conjunction with a primer coat (Belzona 5231) and aggregate (Belzona 9232) to provide an outstanding mechanical strength, aesthetically pleasing and durable flooring solution for commercial and industrial applications. Belzona 5233-Colored has been designed to be applied directly on a primer coat (Belzona 5231) or bare concrete.

Application Areas:
When mixed and applied as detailed in Belzona Instructions for Use (IFU), the system is ideally suited to be used in 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 10 mils (250 microns), the theoretical coverage rate will be:
Belzona 5233-Clear and Colored: 43.2 ft^2 (4.0 m^2)/Liter

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

Mixed Properties

Color		Clear, Blue, Grey and Yellow
Density	Belzona 5233-Clear	1.10 g/cm^3
	Belzona 5233-Colored	1.27 g/cm^3
Viscosity	Belzona 5233-Clear	380 cps
	Belzona 5233-Blue	642 cps
	Belzona 5233-Grey	1130 cps
	Belzona 5233-Yellow	197 cps

Mix Ratio (Base : Solidifier)
Belzona 5233-Clear
3.3 : 1 by weight
3.7 : 1 by volume

Belzona 5233-Blue and Grey:
5.4 : 1 by weight
5 : 1 by volume

Belzona 5233-Yellow:
4.7 : 1 by weight
4.1 : 1 by volume

Overcoat Window
Overcoat times will vary depending on the ambient conditions. Under a temperature range of 59-104°F (15-40°C) and relative humidity range of 10-70% RH, the minimum overcoat time will typically be 3 hours and no limit for maximum overcoat time.

Working Life
The working life will vary according to the ambient conditions. Under a temperature range of 50-104°F (10-40°C) and relative humidity range of 10-70% RH, the usable life of mixed material 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.

ABRASION

Taber
The Taber abrasion resistance determined in accordance with ASTM D4060 with 1 kg load is typically:
CS17 wheels (Dry)   13 mm^3 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)

CHEMICAL RESISTANCE

When tested in accordance with ISO 2812 and ISO 4628, the coating demonstrates excellent resistance to a wide range of chemicals including:
Alkalis, hydrocarbons, detergent solutions, mineral and lubricating oils, salts and many other commonly found chemicals.

HARDNESS

The Pencil, König pendulum, and Shore D hardness, when determined in accordance with ASTM D3363, ASTM D4366/ISO 1522 and ASTM D2240 respectively, will typically be:

	68°F/20°C cure
Pencil	9H
König damping time (s)	125
Shore D	81

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 45°F (7°C) and 77°F (25°C).

WARRANTY

Belzona guarantees 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 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, 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.

MANUFACTURER

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

Belzona Inc.
14300 N.W. 60th Ave,
Miami Lakes, FL, USA, 33014

HEALTH AND SAFETY

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

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.

Belzona products are manufactured under an ISO 9001 Registered Quality Management System