

PRODUCT SPECIFICATION SHEET

BELZONA 3121

FN10241



GENERAL INFORMATION

Product Description:

A two-component emergency repair and weatherproofing system for sealing all types of roof surfaces and structures against atmospheric attack even during adverse weather conditions. Designed for instant waterproofing at all times of the year. Used in conjunction with **Belzona 9331**, a synthetic reinforcing sheet used to bridge roof contours and control film thickness.

Application Areas:

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

- Roofs
- Glazing bars
- Flashings
- Gutters
- Joints
- Parapet walls
- Seams

APPLICATION INFORMATION

Working Life

Will vary according to temperature. At 68°F (20°C) the usable life of mixed material is typically 2 hrs.

Coverage Rate

The theoretical coverage rate for a single layer is 21 sq.ft. (2.0 sq.m.) per litre when applied at a dry film thickness of 12.5 mil (317 micron) on a smooth surface. Refer to the IFU for a guide to practical coverage rates.

Cure Time

The system is water resistant immediately after application. Refer to the IFU for the time taken for it to develop ultimate adhesive and mechanical properties.

Base Component

Appearance	Thixotropic liquid
Colour	Grey
Density	1.61 - 1.63 g/cm ³
Viscosity	86 - 94 poise at 104°F (40°C)

Solidifier Component

Appearance	Clear liquid
Colour	Brown
Density	0.96 - 1.00 g/cm ³
Viscosity	13.0 - 17.4 Cp at 77°F (25°C)

Mixed Components

Mixing Ratio by Weight (Base : Solidifier)	3.6 : 1
Mixing Ratio by Volume (Base : Solidifier)	2.2 : 1

Sag Resistance	15 mils (375 microns) minimum
----------------	-------------------------------

Belzona 9331 (MR7 Reinforcing Sheet)

Material type	Spun bonded 100% polypropylene
Finish	Untreated
Width	17.0 - 17.5 cm or 44.0 - 44.5 cm
Weight	38 - 42 g/m ²

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.

PRODUCT SPECIFICATION SHEET

BELZONA 3121

FN10241



ADHESION

90° Peel Adhesion

When tested in accordance with ASTM D429 (modified), the typical adhesion value achieved when the material is used in conjunction with the designated surface will be:

Substrate	Average Peel Adhesion	Failure Mode
Grit Blasted Mild Steel	23.20 pli 414 kg/m	Adhesive failure of the reinforcement sheet

180° Peel Adhesion

When tested in accordance with ASTM D413, the typical adhesion value achieved when the material is used in conjunction with the designated surface will be:

Substrate	Average Peel Adhesion	Failure Mode
Roofing Felt	4.20 pli 75 kg/m	Cohesive in Substrate

ELONGATION & TENSILE PROPERTIES

When tested in accordance with ASTM D412 (Die C), the tensile properties will typically be:

Elongation	Reinforced Unreinforced	150% 250%
Tensile Strength	Reinforced Unreinforced	1,134 psi (7.8 MPa) 798 psi (5.5 MPa)

FLEXIBILITY

Maintains flexibility down to -8°F (-22°C) passing ASTM D522 mandrel test at minimum 3.2mm diameter.

HARDNESS

Shore A

The Shore A hardness, when determined in accordance with ASTM D2240, will typically be:

	Shore A
24 hour cure at 68°F/20°C	38
7 day cure at 68°F/20°C	50

TEAR STRENGTH

Tear Strength

When tested to ASTM D624 (Die C) is typically:

(i)	Reinforced	303 pli (5,415 kg/m)
(ii)	Unreinforced	109 pli (1,942 kg/m)

WATER VAPOR PERMEABILITY

When tested in accordance with ASTM E96, the fully reinforced system after 7 days cure at 68°F (20°C) will have the following typical values:

Water vapor permeability	30 g/m ² /24 hrs
Permeance	2.16 US Perms

WEATHERING RESISTANCE

Artificial Weathering Resistance

Following exposure to 1,000 hours of artificial weathering according to ISO 11341, the elongation at break, tensile strength and tear strength of the un-reinforced system will typically be:

Property	Value	Retention
Elongation at break (ASTM D412)	114%	46%
Tensile Strength (ASTM D412)	6,322 psi (4.36 MPa)	79%
Tear Strength (ASTM D624)	103.6 pli (1,851 kg/m)	95%

SHELF LIFE

Separate base and solidifier components shall have a shelf life of 5 years from date of manufacture when stored in their original unopened containers between 41°F (5°C) and 86°F (30°C).

PRODUCT SPECIFICATION SHEET

BELZONA 3121

FN10241



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 3121 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 / SUPPLIER

Belzona Limited,
Claro Road, Harrogate,
HG1 4DS, UK

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

HEALTH AND SAFETY

Prior to using this material, please consult the relevant 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.

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.

Nothing in the foregoing statement shall exclude or limit any liability of Belzona to the extent such liability cannot by law be excluded or limited.

Copyright © 2026 Belzona International Limited. Belzona® is a registered trademark.

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

