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# Elastoflex Balcony & Walkway Primer

## Liquid Applied Roof Waterproofing Systems

### Introduction

The Elastoflex Balcony & Walkway System is the latest product development in Icopal's range of liquid waterproofing systems. Designed primarily for use on balconies, pedestrian walkways and terraces, the Elastoflex Balcony & Walkway System offers specifier's and contractors the opportunity to waterproof accessible areas quickly and efficiently.

### Description

Elastoflex Balcony & Walkway Primer is a solvent free primer based on advanced Polymethyl Methacrylate (PMMA) liquid technology. The resin is supplied in 5 kg container and is mixed with a catalyst powder which begins the cure process. As a fast cure primer it is intended for use all year round. A low temperature (LT) grade is also available for use during the colder months for improved working times.

### Intended Use

The Elastoflex Balcony & Walkway Primer is designed for use above asphalt, bitumen, concrete and cementitious screeds, and acts to enhance adhesion of the waterproofing membrane whilst also sealing the deck surface.

### Surface Preparation

Ensure the substrate is sound, clean, dry and free of frost, dust and debris, and any material which would hinder adhesion. For confirmation of specific deck type preparation, refer to the Elastoflex Balcony & Walkway Installation Guide.

### Application Conditions

The atmospheric application temperature range for the Elastoflex Balcony & Walkway Primer is -10 to 30 °C. Winter and summer grades are manufactured to accommodate application throughout the year. The surface of the substrate should be clean and dry and must be 3 °C above the dew point. If the surface is below or at dew point temperature, moisture can form at the surface and affect coating adhesion and curing. Personal Protective Equipment (PPE) should be worn.

### Installation Considerations

Consideration should be made to the use of PMMA based materials on site, in relation to using the product around doors, windows and ventilation/air-conditioning air intake units. Take all necessary safety precautions. Switch off air-conditioning and use fresh and exhaust air plant, etc. Mechanical ventilation may be required in enclosed areas. 5/6 air exchanges per hour is typically sufficient.

### Properties

Container Size	5 kg
Form	Liquid
Colour	Clear
Catalyst Form	Powder
Unit Size	80 g bags
Workability period	10 minutes <sub>1</sub>
Overcoating time	Approx. 15 - 45 minutes <sub>1</sub>
Shelf Life	6 months

1. Dependent on environmental conditions. Times given are reduced with higher (and increased with lower) surrounding and work surface temperatures.

### Application Method

The Elastoflex Balcony & Walkway Primer consists of a clear resin and a catalyst powder. The number of catalyst powder bags required are shown in the table below.

	Temperature range °C	Bags of 80g catalyst powder	Typical cure time (minutes)
Standard Grade Primer	0 - 5	4	30 - 45
	5 - 10	3	17 - 38
	10 - 20	2	17 - 38
	20 - 30	1	17 - 38
Low Temperature Grade Primer	-10 - 0	3	35 - 80
	0 - 10	2	25 - 50
	10 - 15	1	30 - 45

Prior to application, thoroughly mix the primer resin using a mechanical paddle mixer. The required quantity of catalyst should be added during the mixing process. Continue to agitate until fully mixed in. In colder temperatures, longer mixing times will be required.

Workability times do not begin until the catalyst is added to the resin. Once mixed do not replace the lid.

Apply Elastoflex Balcony & Walkway Primer (Summer or Winter grades) using a brush or roller at the specified coverage rate. When dry, an adequately primed substrate will display a glass like sheen to the cured surface.

Do not try to re-apply the primer or walk over it once it starts to gel. This will prevent the primer from fully curing.

### Application Rates

Application rates for the Elastoflex Balcony & Walkway Primer is 0.25 kg/m<sup>2</sup> (the finished surface should achieve a glass like sheen)

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### Cleaning

Clean tools immediately after use using appropriate acetone cleaner.

### Typical Specification

Roof waterproofing system to be Elastoflex Balcony & Walkway System, as supplied by Icopal Ltd, Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444. Fax: 0161 865 8433. Elastoflex Balcony & Walkway System to be applied by Icopal system approved contractors in accordance with manufacturer's current instructions.

### Quality Assurance

Elastoflex products are supplied under a Quality Management System approved to *ISO 9001: 2008* by BSI Quality Assurance.



QMS: Q5556

### Storage

Containers should be stored in a dry and cool environment on a flat, level, and clean surface away from sources of ignition, including pilot lights and sparks. Protect the product against moisture, direct sunlight and extremes of temperature. Keep containers tightly closed when not in use. In original unopened containers the shelf life is 6 months.

### Disposal

Refer to Health & Safety data sheet.

### Health and Safety

Health & Safety information supplied by manufacturer must be observed. Do not allow into the sewer system or ground.

### Technical Services

Specialist advice and design guidance on all matters relating to Elastoflex Balcony & Walkway System is freely available from our Technical Department at the address below.

### Availability

Item Code	Description	Size
3102046	Elastoflex Balcony & Walkway Primer	5 kg
3102045	Elastoflex Balcony & Walkway LT Primer (Winter)	5 kg
3102036	Elastoflex Balcony & Walkway Cat Powder	80g bag

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.