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Elastoflex Balcony & Walkway Filler

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 Filler is a two-component cold applied gap filler based on advanced Polymethyl Methacrylate (PMMA) liquid technology. The filler is supplied in 4.85 kg container and is mixed with a catalyst powder which begins the cure process. Two bags of 80 g catalyst powder is required per container of resin.

Intended Use

The Elastoflex Balcony & Walkway Filler is intended to fill cracks, gaps and voids of size less than 10mm in width. The catalyzed resin is ideal for gaps and cracks that are dynamic.

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 Filler is 0 to 30 °C. 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.

Properties

Size	4.85 kg
Form	Thick paste
Colour	Dark grey
Catalyst Form	Powder
Catalyst Required per kit	2 x 80 g bags
Workability period	10 minutes ₁
Overcoating time	Approx. 25 - 65 minutes ₁
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

Concrete and asphalt substrates should be primed with the Elastoflex Balcony & Walkway Primer prior to application of the Elastoflex Balcony & Walkway Filler. Metal substrates should be primed using Elastoflex Balcony & Walkway Metal Primer.

Mechanically stir the resin container well before use. Whilst mixing, add the catalyst powder and continue to agitate. Once the catalyst powder has been added, the working life of the components are activated. As a result, it is advisable to avoid any delays where the mixed components are left standing.

To minimize material usage, use a backing chord or suitable plugging product recessed approximately 20mm. Apply the mixed components to the prepared area and spread using a flat edged trowel. Remove any demarcation tapes before the mixture begins to gel.

Temperature range °C	Typical cure time (minutes)
0	65
10	35
20	35
30	25

Application Rates

Application rates for the Elastoflex Balcony & Walkway Filler is 1.1 kg/m² per mm.

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Cleaning

Clean tools immediately after use using appropriate acetone cleaner.

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
3102037	Elastoflex Balcony & Walkway Filler (resin)	4.85 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.