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Seal-a-Leak™ Repair Kit

Liquid Applied Roof Waterproofing Systems

Introduction

Seal-a-Leak™ is a liquid repair kit designed to provide an emergency or temporary waterproofing solution to damaged or punctured flat roof membranes.

Description

Seal-a-Leak™ comprises a single component polyurethane based, moisture curing liquid resin. The resin is supplied in a 1 litre tub. It is packaged with a second tub containing an instruction sheet, a small amount of priming solution and a polyester reinforcement fabric which are used in conjunction with the liquid resin to form a fully adhered, monolithic membrane repair.

Intended Use

Seal-a-Leak™ is intended to provide a repair to damage.

Surface Preparation

Ensure the substrate is sound, clean, dry and free of frost, dust and debris, and any material which would hinder adhesion.

Application Conditions

Apply only when atmospheric and substrate temperatures are greater than 5 °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 then moisture can form at the surface and affect coating adhesion and curing.

For optimal ease of application, Seal-a-Leak™ should be above 12 °C.

Personal Protective Equipment (PPE) should be worn.

Properties

Container Size	1 L
Form	Liquid
Standard Colour	Mid-Grey
Workability period	30 minutes ₁
Rainproof after	Approx 20 minutes ₁
Cured after	Approx 4 hours ₁
Shelf Life	12 months

1. Dependant on environmental conditions. Values attained at 23 °C and 50% rel humidity. Times given are reduced with higher (and increased with lower) surrounding and work surface temperatures.

Application Method

Standard Repair:

Installation is best carried out when surface is dry, and free of frost. Sweep the area around the perforation with a brush to clear away any dust, loosely adhering particles, oil, grease, algae, mildew and fungal growth.

Application: Use a wide masking tape to mark out an area around the leak point allowing at least 75mm around the area needing repair. Pour out a sufficient quantity of the supplied EP1 Primer into the area in a snake pattern and then spread thinly with a brush. Allow the white primer to dry to a clear finish.

Cut the supplied reinforcing fabric to size with scissors.

Stir the Seal-a-Leak™ liquid before application. (Be careful not to create bubbles by over stirring).

Above the primed area, pour out a base coat of Seal-a-Leak™ liquid and spread using a brush or mini roller to achieve an even coverage. Embed the prepared fabric directly into the wet base coat making sure to work out any bubbles or wrinkles in the fabric using a brush. Apply a further generous coat of the Seal-a-Leak™ liquid onto the embedded fabric and spread evenly using the brush or roller, ensuring the fabric is fully saturated.

Full curing of the repair can take up to 4 hours (dependent upon weather conditions). The repair will be rainproof in less than 30 minutes.

Emergency Repair:

In emergencies when water is leaking into the building during wet weather, or where the puncture occurs under ponding water, making repairs can prove difficult to carry out.

In these situations Seal-a-Leak™ liquid may be poured directly above the puncture immediately plugging the leak.

Application: Stir the Seal-a-Leak™ liquid before application (be careful not to create bubbles by over stirring).

Pour the Seal-a-Leak™ liquid directly from the container onto the puncture and leave to cure. The Seal-a-Leak™ liquid will continue to cure even when under water. The Seal-a-Leak™ liquid will immediately plug the puncture, stopping further water from entering the building.

This type of repair should always be followed up with a more permanent repair.

Any remaining Seal-a-Leak™ liquid can be kept for future use following replacement of the container lid.

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Coverage Rates

The Seal-a-Leak™ Repair Kit contains 1 litre of liquid which can cover up to 0.7 m² area.

Cleaning

Clean tools immediately after use. Wash hands after use.

Quality Assurance

Seal-a-Leak™ Repair Kit is supplied under a Quality Management System approved to *ISO 9001:2000* 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 12 months.

Disposal

Liquid	EWC	08 04 09
Cured	EWC	08 04 10

Health and Safety

The material safety datasheets, hazard warnings and safety recommendations on the units must be observed during transport, storage, and application. Do not allow into the sewer system or ground.

Technical Services

Specialist advice and design guidance on all matters relating to Seal-a-Leak™ Repair Kit is freely available from our Technical Department at the address below.



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.