

Driseal 107

Packaging



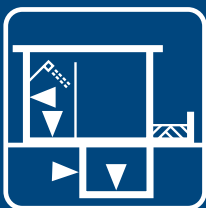
Mixing



Application



Uses



Substrates

Concrete, Brick
Block, Cement
Screed/Render

Waterproofing slurry

Description

Driseal 107 is a two-pack liquid polymer and cement waterproofing compound and protective slurry with moderate flexibility to accommodate fine cracks and concrete shrinkage cracks for use internally.

Uses

A waterproofing slurry/screed for concrete, mortar, render, brick and block work for internal, vertical and horizontal use. Typical applications include; to seal concrete beams, columns and slabs, soffits, parapets and tunnels. A waterproofing slurry in basements, and on wet area floors and walls.

Features

- Easy to mix and use
- Good abrasion resistance
- Waterproof - impermeable to water
- Excellent adhesion to sound surfaces
- Non-toxic

Performance Data

Performance	28 days
Compressive strength	25 MPa
Flexural strength	12 MPa
Adhesion to concrete	3 MPa
Flexibility (approximate)	25%

Coverage

 (Approximate)

1.5kg/m² per coat (2 coats required).
Apply in 2 coats with second coat at 90° to the first coat. In extreme waterproofing situations a third coat is required.

Specification

The two-component, polymer modified cement, waterproofing slurry shall have 25% elasticity and 3MPa adhesion to concrete such as **Driseal 107** as manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

Surface Preparation

Surfaces to be waterproofed must be sound and clean of grease, oil, dust, laitance and all contaminants. Concrete must be 28 days old and a minimum of 25MPa. Rendered screed

must be 7 days old. Prime masonry surfaces with **Primebond** or **Primax**, or dampen porous surfaces thoroughly prior to application of **Driseal 107**.

Mixing

Pour liquid into the mixing vessel and slowly add the powder using a slow speed drill (500 rpm) for 3-4 minutes until a lump-free mixture is achieved. As the material sets rapidly it is advisable to use only 2 litres of liquid and 7-8kg of powder at a time. Mix half the required powder, then add the remainder slowly, bringing the mixture to a uniform, lump-free consistency.

Mixing ratios:

Brush application: 2L liquid to 7kg powder

Trowel application: 2L liquid to 8kg powder

Application

Apply using a stiff brush or trowel. Work the material well into the prepared substrate, filling all holes and voids. To accommodate any extremes in movement that occur at wall/floor and wall/wall junctions, and over structural cracks and joints in building surfaces, apply 50mm bond breaking tape equally over the junction, and bed 140mm Reomat into a 150mm wide wet coat of the **Driseal 107**. Apply two coats of **Driseal 107** to the area to be waterproofed at the required application rate. Apply the second coat at 90° to the first coat. Recoat time is between 4 and 8 hours. If the time between coats exceeds 24 hours, the surface must be highly sanded before proceeding. Clean up uncured material with water.

Curing

Protect the freshly applied material from direct sunlight, strong wind and rain for 1-2 days. Use damp hessian or polythene to aid curing.

Storage

Store the product off the ground in closed bags in a dry, cool environment.

Protective Clothing

This product contains cement and silica and should be applied in rubber gloves, goggles, protective clothing and dust mask.

Precautions

- Apply in temperatures 10°C - 30°C
- Do not apply more than 2mm/coat (i.e. 4kg/m²)
- Do not apply on surfaces subject to hydrostatic pressure
- Render/screeds must have cured for 7 days and concrete 28 days before application of **Driseal 107**
- Protect the membrane from UV light

Shelf Life

1 year in an unopened bag from the date of manufacture.



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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose.