

Contec Seal 117

Polymer-Modified Highly Elastic Cementitious Waterproofing Coating

Description

ContecSeal 117 is a 2-component, polymer-modified elastic cementitious waterproofing coating. It is applied to concrete and mortar as an elastic waterproofing coating to prevent water infiltration.

Uses

ContecSeal 117 is used for waterproofing, sealing of hairline cracks and as a protective coating against aggressive elements such as carbon dioxide (e.g., in concrete repair work), frost and deicing agents.

Areas of Application:

- Tanks & Basement.
- Car Parks & Terraces, balconies.
- Bridges & Retaining walls.
- Panter boxes & Wet areas, e.g. kitchens, bathrooms, shower, laundries.
- Waste water treatment plant
- Roof areas & Swimming Pools and fountains
- Window frame surroundings & Curtain walls and claddings.

Advantages

- Provides a flexible sealing layer.
- Easy to apply by brush or trowel.
- Leveling coats of **ContecSeal 117** have extremely low permeability and provide excellent protection against ingress of salt solutions.

- Excellent adhesion to prepared surfaces.
- Nontoxic & Resists fungus.
- Covers pin holes in concrete effectively.

Properties

Mixed density	1800 kg/m ³ (brushable consistency)
Composition Two components (A+B)	A: liquid polymer and additives, white liquid B: Portland Cement, selected aggregates, grey powder Mixed product: dark grey slurry
Workability	Thixotropic paste
Working Time	30 min at 20°C
Elongation at break	20%

Preparation of the Surface

- All surfaces must be clean and sound.
- It is recommended that to promote adhesion between **ContecSeal 117** and the underlying substrate, all surface laitance should be removed by grinding, wire brushing etc., ensuring all dust and debris are removed before application.

- All surfaces should be thoroughly wetted before starting and be in a moist condition during placing.
- Any free surface water must be removed before application.

Mixing

Pour the liquid, Pack A, into a suitable vessel and stir well with a slow speed paddle stirrer. The powder, Pack B, is added slowly until the desired consistency is obtained. Alternatively, this operation may be carried out in a pan mixer.

Instructions for Use

Smoothing, finishing and sealing mixes

Mix to a smooth trowelable slurry paste and apply using the edge of a float or trowel in 1 or 2 coats at a coverage rate of 2 kg/m² (1mm).

Brush application

is also possible but 2-3 coats may be necessary. Following the first coat, subsequent coats may be applied at 4-6 hours intervals, depending on ambient conditions.

Trowelable putty mixes

Mix to a trowelable paste consistency using a reduced quantity of gauging liquid and apply to blow holes or surface defects with a trowel or steel float.

Curing

While the incorporation of an acrylic polymer reduces the tendency of the mortar to lose water and crack under the strains due to drying shrinkage,

good curing practice is still necessary, particularly in arid conditions.

To protect against drying **ContecSeal 117** must be cured with **ContecKure 115** or by using polythene sheeting or wet hessian. Keep the mortar above 8°C for the first 7 days.

Cleaning

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

Estimating

Supply

Industrial kit : 23 kg pack (two components)

Liquid A : 5 kg pail

Powder B : 18 kg bag

Coverage:

1.0-1.5 kg/m² per coat for brush application.

1.5-2.0 kg/m² per coat for trowel application.

Note:

The coverage figures are theoretical and also do not include wastage & depend on nature of substrate.

Shelf Life/ Storage

ContecSeal 117 has a shelf life of 12 months if stored in dry conditions in unopened original packing.

Safety Precautions

ContecSeal 117 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn.

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