

ChemProof 120[®]

Description

The **ChemProof 120[®]** is a two-component cement-based powder and liquid coating, modified with polymers for complete waterproofing, suitable for insulating concrete floors.

Key Features

- Flexible.
- Non-toxic-suitable for contact with potable water.
- High early strength.
- High resistance to carbon dioxide and chloride ion diffusion.
- Very good adhesion to most construction materials.
- Hardens without shrinkage.
- Easy to apply.
- Excellent resistance to a wide range of chemicals.
- Non-corrosive to steel or iron & over-paintable.



Application Instructions

Surface Preparation: All loose particles, laitance, dust and grease etc., must be removed prior to application of **ChemProof 120[®]**. Concrete must be at least 4 - 6 weeks old, depending on climate, wire-brush, sand-or water-blasted or grind substrates.

Mixing: Use a low speed electric drill fitted with a paint mixer a wing type paddle.

In hot weather, use cool water to bring the mixed grout temperature to <30°C.

In cold weather, use warm water to raise the mixed

grout temperature to >10°C.

Application: While the surface is still damp (no standing water) apply the first coat and leave to harden (2-6 hours).

apply, using a short, stiff bristle brush or roller.

Where more than one coat is found necessary, to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried.

Reinforcing with mesh if required with **iShield PPS[®]**

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Technical Properties & Standards

Density	2.0 kg/l (mixed)
Compressive Strength	at +25C (28 days) 30 - 40 N/mm ²
Flexural Strength	at +25C (28 days) 10 - 12 N/mm ²
Coverage	<u>Depending on the type of surface to be insulated.</u> 1st coat consumption 1 - 1.5 kg/m ² . 2nd coat consumption 0.8 - 1 kg/m ² .
Bond Strength	2 - 3 N/mm ² after 28 days

Application Properties

Mixing Ratio	1: 4.5 by weight
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Product Information

Colour	Grey, White and Beige
Base	Part A : liquid polymer and additive. Part B : Portland cement selected aggregate and admixtures.
Packaging	25 kg (A+B) (5 kg pails of component A and 20 kg bags of component B)

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Cleaning Tools

Tools and equipment should be cleaned, immediately after use, with **iSolv S40[®]**. After the hardening, the product can be removed only by mechanical means.

Storage

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Quality, Health And Safety

All products manufactured by **iChem[®]**, or imported from **iChem[®]** affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems.

Technical Support

For any technical support, please contact **iChem[®]** technical office or representatives.

