

Chem Guard



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Elastomeric Acrylic Rubberized Waterproofing System

Description:

Chem Guard is a single component heavy duty water based acrylic waterproofing system that forms a strong barrier against water and moisture. It is designed to remain flexible to withstand cracking and movements of the underlying surface. It has good puncture resistance and is long lasting.

Typical Uses:

Chem Guard is suitable for the following application:

- Waterproofing roofs, parapets, flashings, wall and chimney clapping, roof joints.
- Seal joints and repair hairline cracks.
- Waterproof cement, plastic, concrete.
- Waterproofing and protection of wet areas, kitchens, washrooms prior to the laying of ceramic tiles.

Advantages:

- Resilient, flexible and weather resistant.
- Used with fiber mesh, it withstands cracking and movement of the underlying surface.
- High elasticity and excellent adhesion.
- Easy to apply and economical.

Technical properties (@25°C & 50% R.H)

Applicable standards	ASTM D412, E96
Appearance/Color	Liquid Coating, Black
Density	1.36 ± 3%
pH	8-9
Solid Content	> 65 %
Elongation at Break (ASTM D412-98A)	400-500 %
Tensile Strength (ASTM D412-98A)	1.1 N/mm ²
Tensile Recovery	90 %
Water Vapor Transition (ASTM E96-95)	0.45-0.5 g/h.m ²
Tensile Adhesion	0.8 N/mm ²

UV resistance	No effect after 2000 hours
Applicable Temp	+5°C to 35°C
Over coating time	6-8 hours depending on application thickness and ambient temperature

Note: - Properties are based on laboratory-controlled tests.

Instruction for use:

Surface preparation:

All surfaces must be clean, dry, sound and free from contamination such as loose and peeling paints, dirt, dust, grease, oil, wax, rust and chalk. Repair any damage areas with appropriate patching material and allow to dry prior to application of **Chem Guard**.

Application:

Chem Guard is ready for use and can be applied by brush or roller.

Before the following coat is applied make sure that the previous coat is completely dry (from 8-12 hours) according to the ambient temperature.

Apply **Chem Guard** in two crossed coats at total thickness of 1.5-2.0mm, the first coat thickness must not be less than 1mm. After 12 hours a second coat can be applied at 0.5-1.0mm thickness.

A fibre glass mesh can be embedded between two coats in coving areas, internal corners, interfaces, tap and rose plumbing. The mesh is embedded immediately over the first wet coat. Apply the second coat to coat to saturate the mesh, before the first coat dries.



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Precautions:

Do not apply the **Chem Guard** if the ambient temperature less than +5°C. Protect the **Chem Guard** coating from rain.

Packing:

Chem Guard is packed in 20kg metal can. High temperatures accelerate the process while greater thicknesses require maximum time for curing.

Coverages:

Approx. 2 Liter/m² @ 1mm thickness depending on surface conditions.

Storage:

Store under dry shaded area in the original closed container.

Shelf Life:

12 months from date of production if stored as recommended.

Health & Safety:

While using all construction chemical products, should be careful and avoid direct contact to eyes, skin and hands. Wear gloves and goggles while handling this product. If sever burn to eyes, skin or hands, consult a doctor immediately.

Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence.

If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All **BuilChem** Datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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