

CONGUARD DC

Waterproofing mortar, non-toxic, for interior and exterior use

DESCRIPTION

CONGUARD DC is a premixed hydraulic water-repellent micro-mortar for the protection of masonry and concrete structures.

USAGES

- Waterproof lining for swimming pools, water tanks, dams, and canals
- Wet areas waterproofing while receiving tile adhesives and other renders
- Protecting concrete and masonry structures against ingress of chloride ions and carbonation
- As a crack isolation membrane in tile fixing assemblies

ADVANTAGES

- Non-toxic, approved in contact with drinking water
- Flexible, crack bridging
- Waterproofing
- Ready to receive tile adhesives and further renders
- Withstands high positive and negative hydrostatic pressures
- Easy application by brush, roller trowel or spray
- Bonds to green and damp concrete
- Effective barrier to sulphate and chlorides

TECHNICAL DATA

CONGUARD DC	Typical values
Appearance	Grey powder
Mixed Density @25°C	1.88 kg/liter
Pot Life @25°C	30 minutes
Recoat Time	8 – 24 hours
Compressive Strength @day 28 (BS EN 196)	10 N/mm ²
Toxicity (BS 6920)	Pass
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	10 gm/liter

USAGE INSTRUCTIONS

1. Surface preparation

Concrete surfaces particularly if new; should be fully cured with a maximum residual relative humidity (RH) of 75%, clean and free from contamination such as dust, oil, grease, organic growth, release agents and curing compounds.

Prepare concrete surfaces preferably by mechanical methods such as angle grinding to remove laitance, curing compounds and other loose materials to provide a mechanical key for **PIOPRIME AC**.

2. Priming

Priming is not normally required.

CONGUARD DC

Coverage

CONGUARD DC

2-3kg/m²/two coats

3. Mixing

Place 5.5-6 liters of clear water in a suitable container with a sufficient volume to accommodate the mixed material.

Slowly add one bag of **CONGUARD DC** to the container and mix using slow speed drill mixer, until a homogeneous consistency is achieved, **ENEBOND SBR** bonding agent may be required on a basis of 1.5 liters per 25 kg bag of **CONGUARD DC**.

Leave the mixture to stand for several minutes prior to application.

4. Application

Apply the first coat with a medium brush or trowel at the rate of 1-1.5 kg/m². it is highly recommended that fiber mesh should be embedded upon applying the first coat on the corner and pipe penetrations over Cant strip of 10 cm x 10 cm.

PIOMORTAR HB repair mortar should be used for repairs and for making Cant strip at floor/wall/ceiling re-entrant angels.

Thoroughly soak concrete substrates with clear water for at least 1-2 hours, removing standing and excess water prior to the application of **CONGUARD DC**.

Allow first coat to cure for 8-24 hours, dampen first coat then apply second coat crosswise using the similar method of application.

5. Curing

No curing required for **CONGUARD DC**.

PACKAGING

CONGUARD DC is supplied in 25 kg bag.

HEALTH & SAFETY

Before applying **CONGUARD DC**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **CONGUARD DC** is splashed to skin, it must be washed off by water and soap at once, and if to the eyes seek medical attention immediately.

STORAGE & SHELF LIFE

Keep **CONGUARD DC** dry and in shaded place of a temperature range 10°C - 35°C, shelf life of the material is 12-months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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