

CHRYSO® AQUAKEM

Water Based High Build Epoxy Protective Coating System



Description

A two part water based resin system, which forms a high build resilient and flexible membrane on concrete and metal surfaces.

Indicative Characteristics

Colour	White
Specific Gravity at 27°C, Pack A	1.5 ± 0.5
Specific Gravity at 27°C, Pack B	1.1 ± 0.5
Pot Life	2 hrs. @ 25°C 1 hrs. @ 40°C
Recoat time	After 2 hours but not longer than 24 hours.
Curing	Initial cure 12-24 hours @ 250C / 50% R.H. Full Cure 7 days @ 25°C / 50% R.H.
DFT	200-250 Micron
Gloss after full curing	Semi-gloss

Domains of Application

Ideal as waterproofing membrane, excellent remedy for seepage and dampness problems on interior or exterior surfaces of basements, reservoirs, tunnels, galleries, lift wells, roofs, balconies, retaining walls, floors, below grade car parks etc. It works markedly on freshly poured concrete.

Method of Application

Surface Preparation

All surfaces must be structurally sound. All previous coatings should be removed by chipping, power wire brushing sandblasting or by other suitable methods, any efflorescence and laitance if present must be removed preferably by acid etching with a 10% solution of Hydrochloric (Muriatic) acid and water. After bubbling ceases, immediately rinse off with copious quantity of clean, fresh water and scrub with stiff broom. Do not allow etching solution to dry before rinsing. Repair the damaged surface by first apply CHRYSO AQUAKEM as a primer coat. Fill voids holes, cracks and cover friable areas with a mortar made by 1 part CHRYSO AQUAKEM to 2 parts sand-cement mix while the primer is still sticky.. Allow to dry for 2-3 hour at 250C. Leave at least for 2 hours before applying the final coating of CHRYSO AQUAKEM. Very dry and porous surfaces should be made wet with a fine mist of water spray for best application results.

Mixing

Mixing ratio of Component A to Component B
Component A : Component B = 1 : 1 (by volume)
Component A : Component B = 1.5 : 1 (by weight)

A suitable power driven mixer / stirrer is recommended for uniform mixing. Stir the base and hardener separately. Add hardener into the base and stir well till a uniform color is achieved. Wait for 5 minutes for induction. Remix the mass again before apply it. All packs are pre-weighed and ready for on site mixing.

Do not mix materials more than the quantity that can be consumed in 2 hours at 25°C. Do no use if temperature is below 10°C or humidity above 85%.

Application

Apply by long nap roller, airless or conventional spray or stiff nylon brush taking care to work CHRYSO AQUAKEM in different directions to avoid pin holing.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.chryso.com

CHRYSO India Private Limited | Registered & Corporate Office : Plot No. D -30/7, TTC Industrial Area, M.I.D.C. Turbhe, Navi Mumbai – 400705. Maharashtra, INDIA. Tel : +91 22 27685991/2



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Advantages

- Can be applied to interior or exterior surfaces.
- Can be applied on to damp surfaces.
- Excellent adhesion to damp or dry surfaces, including freshly poured concrete.
- May be tinted with universal paint, tinters.
- Nonflammable, odourless and non-toxic after complete curing.
- Suitable for potable water reservoirs.
- Cured membrane withstands approx. 2.5 kg /cm² (36 p.s.i.) hydrostatic pressure or equivalent to around a 25 meters head of water

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

CHRYSO AQUAKEM is available in 20l, 40l kit.

Precautions

- Store the material at the 2^o to 40°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before hardening starts.
- Mix only sufficient materials for immediate requirements.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.chryso.com

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