

TECHNICAL DATA SHEET

AQUASEAL®-C2

2-COMPONENT, FLEXIBLE, POLYMER MODIFIED,
CEMENTITIOUS WATERPROOFING COATING



WATERPROOF
PROTECTION



CRACK
BRIDGING



RESISTS
HYDROSTATIC
PRESSURE



ECO
FRIENDLY



DESCRIPTION

AQUASEAL®-C2 is a flexible, 2-component, polymer modified, cement-based waterproof protective coating. It has an excellent adhesion, abrasion resistance, weatherproofing & waterproofing properties providing seamless protective coats.



USES

AQUASEAL®-C2 is an economic, flexible polymer modified cement-based protective coating for above & below grade, horizontal or vertical surfaces for:

- Water structures
- Sewage treatment plants
- Basement walls
- Balconies, plaza deck
- Underneath tile adhesive mortars (showers, sanitary rooms, kitchens, swimming pools, etc.)
- Wastewater treating plants
- Reinforced concrete structures
- Water tanks and reservoirs
- All similar works



ADVANTAGES

- Easy to use and apply
- Environmentally friendly
- UV-stable
- Resists hydrostatic pressure (>5 bars)
- Crack bridging 1.2 mm ability
- Flexible
- Enables substrates to breathe
- Can be applied to damp surfaces



TECHNICAL DATA

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

	Mixing ratio	15 kg powder (Comp. I) to 5 kg liquid (Comp. II)
	Permeability	Resistant up to 50 m water head (positive side)
	Water vapour diffusion μ-value	1000
	Adhesive strength	0.6 N/mm ² at 28 d
	Tensile elongation	30% at +20°C

AQUASEAL®-C2 is a stand-alone product. It can be used exposed or over-coated with flexible or rigid mortars (use a separation layer), stuccos or coatings for uniform appearance. It bridges shrinkage cracks. Larger static (non-moving) or dynamic (moving) cracks can be sealed with Canvas as (Reinforcement).



SURFACE PREPERATION

The substrate must be sound, clean, and free from voids, gaping cracks or ridges and open pores (like fine sand paper). Remove bond breakers, such as oil, grease, dirt, loose particles, remains of form oils, water repellents, rust or other coatings by water blasting or wet or dry sandblasting. Repair holes, defects, irregular surfaces, weak mortar joints, etc. with a patching mortar. Round edges at vertical external joints. Close large open pores and joint recesses of CMU blocks and joint unevenness in brick walls with sand/cement mortar before applying **AQUASEAL®-C2**.

Pre-dampen all absorptive substrates (excluding drywall or similar) with clean water to a saturated surface dry (SSD) condition prior to application. Remove all standing surface water. Seal dry, dusty or very absorptive surfaces (i.e. drywall, gypsum) with one coat liquid component, diluted with water 1:4 to 1:5.



MIXING INSTRUCTIONS

- A. Mixing ratio by weight**
15 kg powder to 5 kg liquid
- B. Mixing ratio by volume**
approximately 3 parts powder to 1 part liquid.

Pour **AQUASEAL®-C2** liquid into a clean container, then gradually add **AQUASEAL®-C2** powder while stirring. Mix until a smooth, lump-free creamy consistency is obtained using a strong, slow-speed (300 rpm) mechanical mixer.



NOTE:

Do not apply **AQUASEAL®-C2** at temperatures below +5°C.



APPLICATION

- At high temperatures (above +30°C) with protection from direct sun and wind to prevent premature surface drying and shrinkage cracks.
- Apply the material in 2 (two) coats minimum.
- **AQUASEAL®-C2** may be applied by brush, roller, trowel or appropriate compressed-air spray equipment.
- Surface may be left brushed or smooth troweled depending on type of application and project requirements.
- Do not pre-dampen the brush or roller with water.
- Quantities are dependent on the amount of protection desired.



JOINTS & CRACK TREATMENT

Horizontal and vertical joints:

Seal horizontal wall-floor joints and internal vertical corners with Canvas – 60 grams. Alternative: form cove (minimum 40 x 40 mm) with cement mortar.

Static cracks greater than 1.2 mm:

Repair static cracks >1.2 mm width with Canvas-60 grams, or rout (cut) out and fill with cover with **AQUASEAL®-C2**, reinforced.

Positive side waterproofing 1.5–2.5 mm:

Apply **AQUASEAL®-C2** in two coats as specified. Apply the second coat (or multiple coats) as soon as the first coat has sufficiently hardened or wait until next day.

Negative side waterproofing 2.5 mm:

Apply **AQUASEAL®-C2** in minimum two coats with total dry film thickness of approx. 2.5 mm.

PACKAGING



20 Kg Set
(15kg Powder - 5kg Polymer)



CURING & SERVICE TIMES

- Rain (Vertical surfaces) : after approx. 3 hrs
- Rain (Horizontal surfaces, minimum 6 hrs
- Foot traffic after approx. 1 day
- Tile mortar and tiles after approx. 1 day
- Hydrostatic pressure after reaching shore A Hardness 85 (between 3-7 days)
- Back filling after approx. 3 days*) at +20°C and 60% humidity.



IMPORTANT ADVICE

- Clean tools and equipment with water immediately after use. Cured material can only be removed mechanically. Self-curing under normal conditions. Provide suitable protection against extreme weather conditions while setting.
- Attach drainage and protection boards after full curing of application (after 3 days).
- The cured application can be troweled over with parging (rendering/plaster) after 1 day or painted with a vapor open ("breathable"), solvent free paint (non silicate) after 3 days.
- Do not expose the application to water during the setting time.

- Expect prologned setting and hardening time in rooms with high humidity, poorly ventilated areas and corners (i.e. water tanks)
- Negative water pressure, if exposed to freezing, can create spalling of the application.



LIMITATIONS

- Do not use in contact with alkali sensitive metals, such as copper, aluminum, galvanized or zinc treated metal.
- Protect and seal metal first with an anti-corrosive primer.

CONTACT US:



Phone: 0300 8256534 , 0339 4132003



Office: 021 35866289



Email: mbp.khi@gmail.com



Website: www.mbp.com.pk



Head Office:
F-22, Grace Centre,
Khayaban-e-hafiz, Gizri DHA,
Karachi, Pakistan.



SCAN TO VISIT OUR
WEBSITE