



AQUABLOCK® is a chemically resistant waterproofing coating for masonry and concrete above or below ground. Used internally on concrete, AQUABLOCK® provides a damp proof membrane for earlier access than would normally be available for screeding, coatings and other floor coverings such as carpets, tiles, vinyl and wood.

PRODUCT DESCRIPTION:

AQUABLOCK® is a two component water borne epoxy coating which is recommended for indoor application in garages, workshops, showrooms, corridors, and indoor car parks, water tanks and swimming pools. It is used to stop water penetrating through brick, concrete, stone or cement rendered walls, floors etc. Minimum two coats are suggested, but for a damp proof membrane (DPM) it is necessary to ensure application of the second coat at 2.5 to 3.25 m² per kg.

USES:

AQUABLOCK® can be applied by an individual with DIY painting experience with compliance to application instructions and due care and attention.

AQUABLOCK® is used to waterproof and damp-proof concrete, cement rendering, brickwork and block work. It is also used to protect concrete against the effects of freeze-thaw cycles, de-icing salts, carbon dioxide and other acid gases, dilute acids and alkalis.

This includes: Rigid waterproofing of water tanks, sealing internal basement and cellar walls against dampness, water leakage, protection of concrete structures in marine environments, external tanking of substructure concrete such as foundations and basement walls in new buildings, Water Tanks, Reservoirs, Filter Beds, Water Treatment Plants, Fishponds, Plant troughs, Lighthouse storm protection, Sewers etc.

- .) Above or below grade,
- .) Horizontal, vertical, or overhead applications to concrete, cementitious overlays, masonry, brick, render, properly prepared existing cementitious terrazzo floors, ceramic, porcelain and quarry tiles.
- .) Exterior (positive side) waterproofing of new or old below grade foundations
- .) Balconies, parapets, planter boxes, plaza decks, stadiums, top soil covered roof structures



-) Mechanical and equipment rooms, pool decks
-) Fountains, swimming pools and other water features (under tiles)
-) Underneath thin-set tile mortars (i.e. shower pans, sanitary rooms, kitchens, pools, balconies, etc.)
-) Potable water, wastewater, sea water and marine aquarium tanks and other reinforced concrete structures
-) Sealing of cracks and construction joints with joint sealing tapes.

BENEFITS:

-) White Matt finish (gloss 60: <40%) also with different colours.
-) Suitable for interior concrete & screed floors and walls.
-) Excellent adhesion and durability, and is suitable for a variety of uses in addition to DPM.
-) Withstands considerable backpressure of water.
-) Resistant to weak inorganic acids & alkalis, detergents, lubricating oils and salt solutions.
-) Not flammable.
-) Application equipment can be washed in water.
-) Adheres to damp surfaces.

TECHNICAL DETAILS:

Product	Two Component Water based Epoxy Coating
Mixing Ratio	Premeasured containers
Pot Life	60 minutes
Touch Dry	4 hours
Packing	13 Kg
Coverage	0.15 to 0.25 kg/m ² /coat
Colours	Gray, White, Blue, Green, Red, Yellow

APPLICATION DATA:

Ambient Conditions for Application

Dry conditions





Minimum Temperature: 10 °C
Relative humidity: Max. 80%
Do not apply if the air temperature is below 10 °C.

Preparation of Surfaces

Surfaces to be coated should be clean, dry, and free of dust, dirt, grease and any loose material, free from ascending humidity and with good coherent strength. (Minimum tensile strength 6kgs/cm²). The moisture content of the substrate should be less than 12% with no free water. **AQUABLOCK®** may be applied to most mineral surfaces including old concrete tiles and glass. In the case of poly-concrete, curing compounds have to be removed by sand or grit blasting. On new concrete or non-porous concrete, remove cement grout by sand or grit blasting. Use an acid cleaner to remove laitance and salts, and then wash off. Make good any surface defects, defective mortar joints and structural cracks. Porous substrates should be impregnated with **AQUABLOCK® PRIMER** diluted with 10 to 20% water. Never apply **AQUABLOCK®** over a softer coating or substrate. All defective or poorly bonded coatings must be removed.

A small area should always be tested to ensure adhesion and compatibility.

Crack Repair/Honeycombed Concrete Repair

Clean all cracks with wire brush and water. Make sure that all loose particles or loose concrete are removed till the depth of sound surface.

Prepare repair mortar by mixing 1 part by volume of **AQUABLOCK® PRIMER** (after mixing two components) with 2 part by volume of Cement (OPC or white cement) and suitable quantity water to get dough consistency. Fill completely the cracks with trowel and level the surface. Similarly cleansed honeycombed surface should be filled with above prepared mix to get leveled surface.

Allow repaired surface to dry for 24 hours.

Application of Coating

Each component should be individually mixed to obtain homogeneous mix. It is always advised to damp the surface before applying **AQUABLOCK®** to the substrate. Apply the product by spray, brush or roller, such that surface is coated evenly. Second coat should be applied when first coat is touch dry.



AQUABLOCK®

Water Dilutable Epoxy Based Waterproofing Coating & Primer

CLEANING:

All tools should be cleaned with water immediately after use.

STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °C.

WARRANTY

Multichem warrants AQUABLOCK® to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of AQUABLOCK®.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of AQUABLOCK®.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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