

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION:

- Treatments such as sanding, burning off etc. of paint films may generate hazardous dust and/or fumes. Wet sanding/ flatting should be used wherever possible.
 - Work in well ventilated areas.
 - Use suitable personal protection equipment.
 - Keep out of the reach of children.
 - If medical advice is needed, have product container or label in hand.
 - Wear protective Gloves. If eye contact: Immediately call a doctor
 - Wear eye or face protection.
 - Avoid berating vapor. If inhaled: Remove person to fresh air and keep comfortable for berating.
 - If unwell call the doctor.
 - Dispose of contents & containers in accordance with all local, regional, national or international regulations.
 - Safety data sheet available for professional users on request
- No added Lead, Mercury or Chromium compounds

PRECAUTIONS:

- Do not apply cement mortar to the treated surface.
- Do not do part Mixing. The entire quantity should be mixed at one go. Part mixing will hamper the performance of the product.
- The powder should be always added to the liquid part under stirring, vice-versa is not recommended, as it will hamper the product performance.
- Do not add water for extra dilution.
- Do not mix any other powder, cement or sand to the mixture, Powder part or liquid part.
- Do not mix with any other putty or crack filling compounds etc.
- Do not expose the treated area to water, until completely cured.
- Do not expose the treated area to direct sun light.
- Mix thoroughly before use.
- Store in a cool and dry place.

CONTACT US:

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Note: The information provided above may change without prior notice.



AQUA TECH

INTRODUCING THE NEW WATERPROOFING RANGE FROM DULUX

DULUX AQUATECH WATERBLOCK 2K



AkzoNobel



PRODUCT DESCRIPTION:

Dulux Aquatech Waterblock 2K is a two component acrylic cementitious & flexible high performance waterproofing coating. Dulux Aquatech Waterblock 2K consists of high grade and best quality Portland cement with selected best grade additives which provides excellent pore sealing and water proofing property. The Special grade binder used in Dulux Waterblock 2K provides good flexibility and excellent resistance to ingress of water. Dulux Waterblock 2K is specially formulated to protect and provide waterproofing to concrete and similar structures. Dulux Waterblock 2K can be used for protecting damp interior walls, swimming pools, water tanks as its provides an excellent durable, flexible and impermeable protecting layer.

PRODUCT FEATURES AND BENEFITS:

Prevents swelling, blistering and chalking of paint



Breathable coating*

Allows internal water to vapourize without peeling the top paint layer



Excellent anti-alkali property*

Provides excellent protection against Efflorescence/Alkali attack



Superior waterproofing*

Superior waterproofing ability towards both positive as well as negative side due to special high solid acrylic binder.



Multisurface adhesion*

Provides adhesion to multiple substrates such as tile, stone and cement



Excellent flexibility*

Provides excellent flexibility and crack bridging of up to 0.5mm



Superior anti-carbonation property*

Superior resistance to diffusion of chloride ion & carbon dioxide

*All claims are made against general putty and subject to condition that application method and precautions are followed.

PRODUCT RELATED INFORMATION:

Composition:

Solid Part
Liquid Part
Volatile organic compound (VOC) level in White & bases
Gloss/Sheen Level
Flash Point (IS 101/1987, Part 1, Sec 6)
Stability of Opened container
Pack Size
Practical Coverage

: High grade Portland cement and inert fillers
: Acrylic Flexible waterproofing Emulsion
: less than 10gm/liter
: Matt
: Non-Flash
: Use immediately after opening in one go.
: Available in 3kg and 15 kg packs
: The Spreading capacity of this product will vary considerably according to the type of surface its being used. For a surface with normal porosity the coverage will vary from 10-15 sqft/kg
These figures are only an approximate guide. Due to variation in different surfaces, the coverage may vary. It is recommended to do a coverage trial before finalizing the requirement.
: 1 years from the Date of Manufacturing in the original sealed condition.
Store under cover, away from direct sunlight and protect from extreme temperature and wet or damp condition.
In hot temperature conditions, it must be stored in a temperature-controlled environment i.e. less than 30° C.

Shelf Life

TECHNICAL DATA:

Type
Appearance of the Mixture
Color of the Mixture
Density of the Mixture
Solid content
Max. layer thickness
PH
Drying time
Min. tempa. For use
Paintability
Workability of the Mixture @ 30 Deg
% Elongation (ASTM D 882-12)

: Two Components (Solid Part & Liquid Part)
: Free Flowing
: Purple Grey
: $1.75 \pm 0.1 \text{ gm/cm}^3$
: $86 \pm 2.00\%$ (For 2:1 Mixture Slurry)
: 1.5 to 2mm in 2 coats at a coverage of 10-15 Sqft/Kg.
: Alkaline
: 1-2 days after 1st coat; 4-6 days after the second coat
: 10°C
: Can be painted with water based emulsions
: 1-2 hrs (Varies Depending on temperature & humidity)
: 120-130%

APPLICATION RELATED INFORMATION:

Before application, read the safety, health and environmental information and the precautions given below.

Application Tool:

Suitable for application by Brush or Powder spray gun.



Surface Preparation:

- For the Interior surfaces, existing POP or putty must be removed till the plaster surface is exposed.
- The surface must not be loose, it should be strong and free from dirt, dust, chalk, loose particles. This can be achieved by brushing with a wire/stiff coir brush, followed by water jetting if required or move the loose particles with air compressor.
- Oil or grease must be removed with degreasing solvents; otherwise it will hamper the performance of the product.
- Any cracks in the plastered surface should be filled with Aquatech crack fillers as per the requirement and other damaged surface should be repaired with cement and sand mixture or polymer modified repair mortar.
- Before application of the product, the surface must be pre wetted and saturated to a surface dry condition, which improves the bonding of water block 2K to the substrate.



Mixing Ratio: Waterblock 2K Solid Additive: Waterblock 2K Liquid Additive = 2:1 (By weight)

Mixing Procedure:

- After opening the mono carton, shake the liquid component properly for a homogeneous mixing. Transfer the entire liquid component to a clean mixing vessel and then slowly start adding the powder component under constant stirring with a stirrer using a pneumatic or electrical power tool (1KW) at slow speed of 200-300 rpm for 5-6 mins to get a homogeneous, free flowing and lump free mixture/slurry.

Application:

Interior Wall Application:

- Two coat of mixed slurry of Aquatech Waterblock 2K to be applied to the set concrete/Plaster @ 10 - 15 sqft/Kg by a masonry brush or appropriate powder spray equipment.
- The second coat should be applied when the first coat is completely dry. Drying time after the first coat should be 1-2 days.
- For Damp walls, ensure the full wall is applied with Aquatech Waterblock 2K.
- The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.
- Allow the second coat to dry hard for 4-6 days. After proper drying the normal painting procedure for Primer, putty, Primer & top coat can be followed.



Concrete slabs or roof slabs:

- Two coat of mixed slurry of Aquatech Waterblock 2K to be applied to the set concrete/Plaster @ 5-6 sqft/Kg by a masonry brush or appropriate powder spray equipment.
- The second coat should be applied when the first coat is completely dry. Drying time after the first coat should be 1-2 days.
- Allow the second coat to dry hard for 4-6 days.

Water tanks and Swimming pools:

- Two coat of mixed slurry of Aquatech Waterblock 2K to be applied to the concrete/plastered surface @ 6- 7 sqft/Kg by a masonry brush or appropriate powder spray equipment.
- The second coat should be applied when the first coat is completely dry. Drying time after the first coat should be 1-2 days.
- Allow the second coat to dry hard for 4-6 days.
- For water tanks, both sides of the tanks should be covered for a better result.
- The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.

Marbles/Stones:

- One coat of Aquatech Waterblock 2K slurry to be applied at the bottom side of the marble @ 2 mm + thick at coverage of approximately 5 sqft/Kg

Drying Time: (Single coat at standard depth):

- Touch Dry: Upto 1 hour
- Tack free dry : upto 2 hrs
- Complete dry : upto 2 days
- Over Coating: After 4-6 days of complete hard dry.

Drying time may vary according to temperature and humidity. For instance, drying time will be significantly longer in cool and damp conditions.

