

AQUASTOP 200

(formerly known as AQUASTOP)
Elastomeric Waterproofing Membrane

PRODUCT DESCRIPTION

AQUASTOP 200 is a waterproofing membrane formulated based on elastomeric acrylic polymer for interior and exterior application. It is specially formulated to be highly flexible, hairline cracks bridging, and excellent water resistance at the same time provides good breathability.

- ▶ Single component; easy to use
- ▶ Excellent elongation
- ▶ Excellent crack-bridging properties
- ▶ Good weathering resistance
- ▶ Superior algae and fungus resistance

DESIGN USE

As a waterproofing coating for old and new construction such as walls, brickwork, RC roof, car porch roof, balconies, walls, RC fencing, window sill and etc.

PHYSICAL DATA

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| Volume Solids | 40 ± 2% |
| No. of Components | 1 |
| Number of Coats | 2 (minimum) |
| Theoretical Coverage | 0.32 to 0.65 kg/m ² / Coat |
| (Note: Actual coverage varies based on substrate type, surface porosity, texture, and whether a primer is applied). | |
| Finish | Satin |
| Colour Range | White 200, Window Grey RAL 7040 <i>(Please consult KCC representative for custom colours)</i> |
| Elongation at Break | > 300% (ASTM D412) |
| Tensile strength | > 3.0 MPa (ASTM D412) |
| Water Absorption | |
| @ 14 days (SS500) | 62.71 ml / m ² / 24hrs |
| Water Vapour Transmission | |
| @ 14 days (SS500) | 198.52 g / m ² / 24hrs |
| Water Immersion | No blistering and peeling |
| Standard Packing Size | 5kg, 20kg |
| Shelf-Life | 12 months - Unopened |

RECOMMENDED PAINTING SYSTEM

| System | Product | No. of Coats |
|---------------|--|--------------|
| Sealer | AQUASTOP 200 (10-15% dilution)/ Koresil 117 (Dilute 1:1 with water) | 1 |
| Waterproofing | AQUASTOP 200 | 2 |

(for maximum protection, apply 2nd coat at 90 degree angle to the 1st coat.)

Note: AQUASTOP 200 is limits to heavy traffic.

AQUASTOP 200

APPLICATION METHOD Brush or Roller application
 * Stir the contents thoroughly before use. Thinning is normally not necessary
 However, if required for better workability, do not exceed 5% dilution ratio.
 Clean up equipment with water immediately after use.

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| ADDITIONAL INFORMATION | Thinner | Clean Water |
| | Thinning Ratio | Do not exceed 5% dilution ratio. |
| | Cleaning Solvent | Clean Water |
| | Flash Point | Non-Flammable |
| | Storage Requirements | Cool, dry and well ventilated area away from heat and direct sunlight(5 ~ 35°C). Lid must be kept tightly closed |

SURFACE PREPARATION

New Masonry Substrates

- ▶ All new surfaces should be dry out thoroughly preferably for at least 28 days drying time.
- ▶ The moisture content of the concrete surface should be checked and ensured to be below than 16% when measured with reliable moisture meter.
- ▶ All surface contaminants such as laitance, dust and loose cement shall be removed by using scraper, sandpapers and clean slit brushes.
- ▶ Structural cracks should be repaired with appropriate crack repair compound.
- ▶ Any holes and undulations should be resurfacing with appropriate floor patch.
- ▶ Roofing slab should be constructed to have slanting angle and drains to effectively drain off rain water (prevent constant water ponding)

Previously Painted Surfaces

- ▶ If fungus, algae, and moss is present, treat with "KCC Fungidal Solution"
- ▶ Make good minor defects with an appropriate suitable exterior putty sealant.
- ▶ For overcoating over old coatings, a high pressure water jet cleaning should be performed to remove all loose or defective paintwork or powdery residues.

Application conditions

- ▶ Ensure the surface is completely clean and dry.
- ▶ Ensure the relative humidity below 90% before painting.
- ▶ Ensure the surface temperature at least 3°C above dew point temperature.

INSTRUCTION FOR USE

Application

- ▶ Mix 1 part of KORESIL 117 and 1 part of clean water, then apply at 0.2 kg/m² to the surface to improve bonding.
- ▶ Apply a priming coat and let substrate saturate for 2 hours before applying the first neat coat.
- ▶ Using brush or roller, apply the first coat of AQUASTOP 200 on the surface. Apply the second coat perpendicular to the first coat. Allow it to dry completely, which typically takes about 2–4 hours, depending on the environmental conditions.
- ▶ Protect the application from rain until it has completely dried.

AQUASTOP 200

REMARKS

- ▶ Always conduct an application point test on small area. Check for any abnormalities and paint defects prior to painting.
- ▶ This product should only be applied over concrete, plaster and masonry substrate that have been suitably sealed and primed.
- ▶ Avoid excessive thinning as it will result in colour difference, poor hiding power, poor finishing, and overall paint performance compromised.
- ▶ Always follow TDS recommended coating thickness and ensure uniform application thickness. Inconsistent film thickness will result in difference in sheen level and unpleasant finishing.
- ▶ It is recommended to paint the same colour with same batch number, using same painting equipment and method and also follow instructed thinning ratio to ensure consistent painted finishing.
- ▶ Do not skip primer and sealer application as concrete primer and sealers will minimize efflorescence defects on humid area.
- ▶ Recommended to paint according to TDS and Application guide.
(Please consult with KCC customer service for any inquiries or browse to our website www.kccpaint.com.my)

SAFETY PRECAUTIONS

- ▶ Ensure adequate ventilation during application and drying.
- ▶ Avoid contact with eyes and skin.
- ▶ In case of contact with skin, wash immediately with plenty of soap and water.
- ▶ Keep out of reach of children.

HANDLING PRECAUTIONS

- ▶ This product should be stored in its original container in a shaded, cool, and well-ventilated warehouse.
- ▶ The recommended storage temperature is 15-35°C.
- ▶ Protect the product from rain, sunlight, UV rays, flames, and heat.
- ▶ Proper care must be taken during transportation. Failure to follow these storage guidelines may lead to premature deterioration and a reduced shelf life.
- ▶ When reopening the product for reuse, remove any formed skin and stir thoroughly before using.

FIRST AID

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| Eyes | Rinse immediately with plenty of water and seek medical advice. |
| Skin | Wash immediately with plenty of soap and water. |
| Inhalation | Remove to fresh air, loosen collar and keep patient rested. |
| Ingestion | Do not induce vomiting. Seek medical attention. |

DISCLAIMER

The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes which may occasionally result in marginal changes in the coating properties.

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| REVISION DATE | 28/11/2024 |
| REVISION NO. | 3.2 |