



CIC GREEN
PRODUCT CERTIFICATION



14001



9001

Hydrolink EW

FLEXIBLE WATERPROOFING SLURRY

- INTERNAL WET AREA
- BALCONIES/TERRACES
- PODIUM DECK /SWIMMING POOL
- WATER RETAINING STRUCTURE
- EXTERNAL WALL

HYDROLINK EW FLEXIBLE CEMENTITIOUS WATERPROOFING SYSTEM



PRODUCT DESCRIPTION

Hydrolink EW is no ordinary product; it is a two-component, polymer-modified marvel that combines a cementitious powder with a powerful polymer emulsion. This powder blend consists of gray cement, graded aggregates, and additives, all designed to create a watertight fortress.

From serene bathrooms to bustling kitchens and tranquil swimming pools, **Hydrolink EW** offers unparalleled protection. Its exceptional adhesion and durability ensure a secure bond on both vertical and horizontal surfaces, enduring the challenges of time and water pressure. Moreover, it boasts non-toxic properties, complies with BS6920 and GB50325-2001 standards, and holds the prestigious Hong Kong CIC Green Product Certification - PLATINUM Label.

Backed by a history of successful projects in the Hong Kong and Macau regions, **Hydrolink EW** offers excellence in waterproofing solutions. Embrace the reliability of Hydrolink EW and elevate your space into a secure, water-resistant sanctuary today!



PRODUCT PROPERTIES

- Elastomeric and good elongation
- Excellent adhesion and easy to use
- Can be applied to damp substrates
- High water resistance, >70 meters water head
- Compatible with the concrete, cement sand render & tile adhesives.
- Non-toxic. Suitable for contact with potable water.
- Comply with HKHA SL 2022 (Batch 2) WAT6.M010.9 / M110.9 / M150.N requirements



APPLICATION AREA

- Bathrooms and Toilet
- Wet Kitchens
- Balconies / Concrete Gutter
- Water Features / Water Tanks
- Fishponds / Planter
- Swimming Pools
- Retaining Wall



APPLICATION



Prepare the surface by moistening it before applying the Hydrolink EW coating. To prevent water accumulation in horizontal areas, remove any excess water by sweeping it away.



Apply the Hydrolink EW using a brush, roller, trowel, or spray tools to a 0.5mm to 1.0mm wet film thickness per coat. It must be applied in at least 2 coats.



Wait until the first coat of Hydrolink EW is dry before applying the second coat.

MIXING

- Add the Hydrolink EW powder component gradually to the Hydrolink EW liquid avoiding lump, following the specified weight proportions.
- Hydrolink EW powder and Hydrolink EW liquid must be thoroughly mixed using a slow-speed electric drill mixer fitted with a grout mixing paddle for 3-5 minutes.
- Use the material within the recommended pot life.

PACKING AND APPEARANCE

Hydrolink EW is packed in 44kg/set:

- Part A - Powder 24 kg per bag
- Part B - Liquid 20 kg per pail
(Powder - cement grey; Liquid - milky white)



TYPICAL PROPERTIES

Mixing Ratio(kg)	24 (Powder) : 20 (Liquid)
Pot life	30-60mins
Initial setting time	4-8 hours
Coverage	Approx. 26 - 30m ² per set (for 1mm thick)
Construction Temperature	5°C -35°C

(Depending on different specification requirement, the mixing ratio can be adjusted as necessary. For further information, please consult our Technical Services Department.)

PHYSICAL PROPERTIES

DESCRIPTION	TEST METHOD	RESULT
Density of Coating	In House	1.430.05kg/L
Tensile strength	**ASTM D412-16 *BS903: Part A2: 1995 GB/T23445-2009, 拉伸強度 GB/T23445-2009, 加熱處理後 GB/T23445-2009, 鹼處理後 GB/T23445-2009, 浸水處理後	>1.4 N/mm ²
Elongation	**ASTM D412-16 *BS903: Part A2: 1995	>300%
Bond Strength to concrete	*BS 8204 Part 3-1993 - 7 days (mod) *BS 8204 Part 3-1993 - 14 days (mod) *BS 8204 Part 3-1993 - 28 days (mod) **BS EN ISO 4624:2016 GB/T23445-2009, 黏結強度 GB/T23445-2009, 黏結強度-潮濕基層: GB/T23445-2009, 黏結強度-鹼處理: GB/T23445-2009, 黏結強度-浸水處理:	≥1.2N/mm ²
Water Pressure Test (Positive)	*,**DIN 1048 Part 5	>7 Bar
Water Pressure Test (Negative)	DIN 1048 Part 5	>3 Bar
Crack Bridging (2mm width)	*,**ASTM C836-18 with modification	Pass, no crack
Tile Adhesives Compatibility	*BS5980:1980 Appendix D (mod)	>950N
	*BS5980:1980 Appendix D (mod), immersion in water	>560N
	**BS EN 12004-2:2017 (mod)	>0.5N/mm ²
Panel Walls Compatibility	*,**HKHA Spec. Library 2022 Edition WAT6.M010.9(2-j), M150.N(2-i)	0.168N/mm ²
Water Quality Test (Pond Test)	*HKHA Spec. Library 2022 Edition WAT6.M010.9(2),(h)	Pass, no sign of leakage
Toxicity Test	*,**BS6920:2014	Pass
VOC Content	*,**,# USEPA Method 24	<10g/L
Puncture Resistance	ASTM E154	246N
Chloride ion Diffusion Test	Taywood Test Method and BS 1881 Part 124	99% Reduction
CO ₂ Diffusion Test	Taywood Method and ASTM G154-12a and In-house method C-T-287	No penetration

*Comply with HKHA 2022 Batch 2 -WAT6.M010.9 - "COLD LIQUID APPLIED FLEXIBLE WATERPROOFING SYSTEM"

**Comply with HKHA 2022 Batch 2 -WAT6.M150.N - "CEMENTITIOUS WATERPROOFING SYSTEM"

#Comply with CIC GREEN PRODUCT CERTIFICATION - PAINT & COATING Category;

https://cicgpc.hkgbc.org.hk/sproducta_new.php?serial=538

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