

# JURCEM<sup>®</sup>

## HYDROFLEX



### 裕昇弹性聚合物/水泥基防水材料

Flexible Cementitious Waterproofing Membrane

JURCEM HYDROFLEX is a cementitious two-component seamless waterproofing membrane polymer modified which cures to form a tough flexible membrane to protect all concrete and masonry surfaces against the ingress of water and moisture.

JURCEM HYDROFLEX has good elastomeric property, it is able to bridge cracks. It is non-toxic and is ideal for potable water uses. No primer is required on the substrate before application. It can be applied on damp - not moist - substrates.

#### TYPICAL PROPERTIES

Colour	Grey
Type	Cementitious Waterproofing Membrane
Appearance	Part A : Grey Powder Part B : Milky White Liquid
Crack bridging ASTM C836:2000	No crack @2mm width
Tensile Strength, ASTM D412:98a(2002)	≥ 1.5N/mm <sup>2</sup>
Elongation at break, ASTM D412:98a(2002)	≥ 150%
Adhesion to substrate, ASTM D4541:02	≥ 0.3N/mm <sup>2</sup> @ 28 days
Hardness (Shore A), ASTM D2240:05	≥ 40 after 7 days cure
Resistance to water penetration DIN 1048 Part 5:1991	No penetration
Drying Time	1 to 3 hours, depending upon porosity of substrate and ambient temperature
Pot Life at 30°C	Approx. 30 minutes

Mix Quantity (per set)		12 kg	39 kg
	Part A	7 kg	22.5 kg
	Part B	5 L	16.5 L

Coverage	Thickness	Uses
1.65kg/m <sup>2</sup>	>1.5mm	Wet Area
2.2kg/m <sup>2</sup>	2.0mm	Ground moisture
2.75kg/m <sup>2</sup>	2.5mm	Non-pressurised water

#### AREAS OF APPLICATION

JURCEM HYDROFLEX is used in new or upgrading projects for waterproofing :-

1. All types of concrete and masonry surfaces at basements, water tanks, manholes, foundations, parking decks, planter boxes, toilets, kitchens, void decks, roofs etc
2. Interior and exterior floorings for water tight requirement

#### APPLICATION METHOD

##### Surface Preparation

Surfaces to be laid with JURCEM HYDROFLEX should be clean and free of oil, dirt, grease, dust, paint, curing compounds, loose contaminants etc. All concrete substrates must be structurally sound, cracks, potholes and surface undulations should be levelled and repaired. Absorbent surfaces have to be dampened before application of JURCEM HYDROFLEX. Two or three coats are recommended when there is strong pressure head expected. Always apply on the positive side.

##### Mixing

Pour a can of JURCEM HYDROFLEX Part B (liquid) into a suitable container. Add a bag of Part A (powder) slowly and mix with a low-speed mechanical mixer until the mixture is homogeneous and free from lumps. Mix for at least 3 minutes.

##### Placing

JURCEM HYDROFLEX can be applied with a brush, roller or trowel. For all applications, ensure substrate surfaces are repaired and levelled with no air entrapped in the membrane during application. After application of the first coat of JURCEM HYDROFLEX onto the substrate, allow curing of approximately 1 hour (depends on the ambient temperature and porosity of the substrate) before applying the second coat. The thickness of each coat per application should be approximately 0.75mm to 1 mm.

##### Cleaning

Clean tools with water immediately after use. Cured materials can only be removed mechanically.

#### PACKAGING

Set weight: Approx. (1) 12 kg (2) 39 kg  
 Part A (Powder): (1) 7 kg bag (2) 22.5 kg bag  
 Part B (Liquid) : (1) 5 L can (2) 16.5 L can

#### SHELF LIFE

12 months if stored in original sealed packaging under dry and cool condition.

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### SAFETY PRECAUTIONS

JURCEM HYDROFLEX is non-hazardous, but due to the cementitious nature, it is advisable to wear a filter mask and protective clothing. In case of eye contact, wash copiously with water and if irritation persists, seek medical treatment.

For more detailed information, please refer to Material Safety Data Sheet.

JCL Building Materials Pte Ltd (JCL) warrants that the product conforms to its chemical and physical description and is within bounds fit for use as stated on its product data sheet when used in compliance with written instructions. JCL makes no other warranty either expressed or implied. The purchaser assumes all risks in handling.

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