

## Cemseal Waterproofing Proposal for PENINSULAR MALAYSIA (JKR)

(VER.2019June4.)

### SCHEDULE OF WATERPROOFING SYSTEM

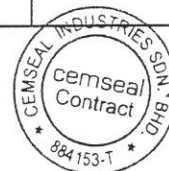
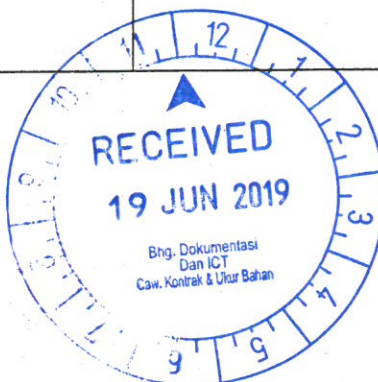
#### Cemseal 9 Steps Process

The waterproofing works shall be performed by the Certified Applicator recommended by the manufacturer's and stipulated to provide joint warranty names as System Performance Warranty from the date of Certification of Completion and Compliance, all strictly in accordance to the manufacturer's (Cemseal Industries Sdn Bhd) specification and instructions

Item	Description	Location	Consultant RM/m2
			<b>MOQ : 40,000m2/ Projects</b>

#### **A) Substructure /Structure Below Ground**

A1	Supply and lay <b>Cemseal SA @ 1.5mm</b> (Loose Laid) Waterproofing System onto lean-concrete with smooth finish all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC Basement Slab (Applied on Lean Concrete, smooth finish)	45.00
A2	Supply and lay <b>Cemseal PU-W (S1)</b> Seamless PU Bituminous Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.20kg/m <sup>2</sup> onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC Pile Cap / Lift Pit Wall (Externally), RC Retaining Wall, Basement Wall	45.00
A3	<b>Double Protection (Admixture)</b> Supply and dose <b>Cemseal C100E</b> Integral concrete waterproofing system by crystallization effect at the dosage rate of 0.80% of the total cementitious content based on the proposed design mix all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	Extra Protective to RC Structure in Substructure / Below Ground	95.00/m3



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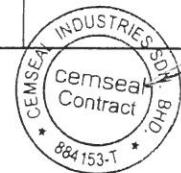
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#### B) Internal Wet Area

B1	Supply and lay <b>Cemseal Flex (S2)</b> Highly Flexible Cementitious Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.80kg/m2 and reinforced with Cemseal F100 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator. The shower area (Up to 1800mm High)	<b>INTERNAL WET AREA</b> Bathroom & Toilet, Wet Kitchen, Yard, Pantry, Male & Female Surau, Male & Female Changing Room, AHU Room, M&E Room	45.00
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#### C) External Wet Area- Exposed Type

C1	Supply and lay <b>Cemseal EVA (1.50mm)</b> Waterproofing System onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC Flat Roof	158.00
C2	Supply and lay <b>Cemseal PU Top (S1)</b> Seamless PU Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.20kg/m2 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC AC Ledge, Coving, Hood, RC Open Terrace, Open Corridor, RC Carporch Flat Roof, Flat Roof, Pool Deck	118.00
C3	Supply and lay <b>Cemseal AC-H (S1)</b> Exposed Seamless Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.20kg/m2 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	Metal Roofing	45.00



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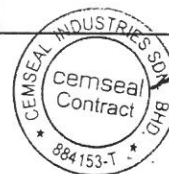
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#### D) External Wet Area- Conceal Type

D1	Supply and lay <b>Cemseal PU (S1)</b> Seamless PU Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.20kg/m2 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC AC Ledge, Coping, Hood, RC Open Terrace, Open Corridor, RC Carporch Flat Roof, Flat Roof, Pool Deck	98.00
D2	Supply and lay <b>Cemseal PU-W (S2)</b> Seamless PU Bituminous Waterproofing System consist of Cemseal 9 Steps Process at the rate of 1.20kg/m² and reinforced with Cemseal F100 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	Balcony / Lanai, RC AC Ledge, Coping, Hood, RC Open Terrace, Open Corridor, RC Carporch Flat Roof, Flat Roof, Pool Deck	48.00



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#### **E) Water Retaining Structure (Must Apply Protective Screed)**

E1	Supply and lay <b>Cemseal Flex (S3)</b> Highly Flexible Cementitious Waterproofing System consist of Cemseal 9 Steps Process at the rate of 2.50kg/m2 and reinforced with Cemseal F100 onto clean honeycomb-free concrete surface all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC Swimming Pool, RC Balancing Tank, RC Pond, RC Water Feature, RC Splinker Tank, RC Wet Riser Tank, RC Suction Tank, RC Water Tank	62.00
E2	<b>Double Protection (Admixture)</b> Supply and dose <b>Cemseal C100E</b> Integral concrete waterproofing system by crystallization effect at the dosage rate of 0.80% of the total cementitious content based on the proposed design mix all strictly in accordance with the manufacturer's instruction and specification include of System Performance Warranty and Certified Applicator.	RC Swimming Pool, RC Balancing Tank, RC Pond, RC Water Feature, RC Splinker Tank, RC Wet Riser Tank, RC Suction Tank, RC Water Tank	95.00/m3

