



Wet Area

Wet area consist of:

- Toilet/Kitchen/Baths/Pantry
- Tanking system (Swimming pool,pond, water feature)
- Floor slab/Environmental slab

Types of liquid applied waterproofing membrane for wet area:

- Cementitious
- Polyurethane
- Rubberised



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THE RAINTREE KUALA LUNPUR-BABY POOL WATER PROOFING SYSTEM & PAINTING EXISTING SITE CONDITION









ABOVE SITE PHOTO 1 Removal of interior defective baby pool surface area and clear off site in progress...



ABOVE SITE PHOTO 3 Installation of new tiling at baby pool surface in progress...





SITE PHOTO 2 Application of SIKA waterproofing cementation system and leave t cure...



SITE PHOTO 4 Completion of tiling work at baby pool surface view



PHOTO 5



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Photo 6 Painting work at pool deck in progress



РНОТО 7



PHOTO 8

PHOTO 10





Australian International – 950m2 School

Before Before After

Mandale Height Condo – 400m2







Wet area – Hotel Job Reference



King Copthorne -360 Units (Phase 1) -250 Units (Phase II)



Regent Hotel – Iggy's Restaurant



Hyatt Hotel – 65 units



Orchard Hotel – 360 Units



Oriental Hotel – 520 Units

















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RIGHT WAY INDUSTRIAL (MALAYSIA) SDN BHD – DEFECTIVE METAL ROOF AT BLOCK G & H, R.C. ROOF AT BLOCK A EXISTING SITE CONDITION



PHOTO 1 Top view of defective R.C. flat roof at block A office area



PHOTO 2 R.C. flat roof water ponding view



PHOTO 3 Cracked and defective R.C. flat roof view.



PHOTO 4 Water ponding and defective R.C. flat roof view.



PHOTO 5 Another view of defective R.C. flat roof and parapet.



PHOTO 6 Water stained mark at ceiling board from roof top view.



PHOTO 7 Existing inspection room required extension proposal



PHOTO 8 Front view of inspection room proposal for extension.



RC System New build up - Polyurethane

Hyflux Building @ Tuas South Ave 1 (13000m2)





1. Primer

2. Waterproofing



3. Foam & Felt



4. Expansion Joint



6. Casting



7. Completion

8. Completion



5. Level Peg

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Church of St Mary Angels Roof -3200m2



Job Reference Build up system

77 Units of Terrace @ Upper Aljunied Road





After



RC System – Reroofing

NUH Dentistry Block - 6600m2



1. Existing old RC roof condition.



2. Hacking of existing panel, insulation board, separation layer and existing waterproofing membrane.



3. Patching up detailing area with cement sand mortar.



 Application of cementitious membrane to strengthen existing surface followed by 3 coat of liquid applied membrane.



5. Laying of new 25mm insulation board and separation layer.



 Constructing 12mm wide through expansion joint at every 4.5m2 bay.



7. Casting of Gr 25 ready mix concrete panel.



 Completion of build up waterproofing system to old RC Roof. Completed in September 2003.

PU GROUTING



PANTAI BANGSAR HOSPITAL-LEVEL 7, PUSAT SPINE & JOINT CENTRE WORK-IN- PROGRESS AT 2 LOCATIONS WATER LEAKAGE SPOTS.



a. open Ceiling



b. Leakage spot can be seen at opening soffit area.



c. survey inspection at roof top to locate the opening soffit in progress....



d. locate and survey to cut existing waterproofing

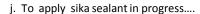


g. Remove plywood at opening soffit to do treatment



h. Insert a Plywood sealed from below opening in progress...

i. Thereafer to fill Cement top up about 1 inch to seal the opening in progress...





I. Another view of non-shrint grout to render level at roof top area.

m. After curing, to replace a new membrane at the localise repair and make good.

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PANTAI BANGSAR HOSPITAL-LEVEL 7, PUSAT SPINE & JOINT CENTRE

WORK-IN- PROGRESS AT 2 LOCATIONS WATER LEAKAGE SPOTS.

Repair Process Location 2



seepage stainedproblem at location 2



d.Another view of scupper drain defective cauisng below Spine & Joint Centre water seepage problem



e. Application of high strength epoxy putty to seal the leaking spot.



b. leaking location view at location 2



c.Defective scupper drain, cauisng leakage to below Spine & Joint Center.



f. After completion the treated area, thereafter to conduct water testing at site. Result OK.

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HOLIDAY VILLA HOTEL & SUITES SUBANG - PU GROUTING SYSTEM TO RC SLAB

AREA EXISITING SITE CONDITION



PHOTO 1 Front entrance at Holiday Villa Hotel & Resorts Subang View



PHOTO 4 Level 13 room entrance RC slab leakage and causing below stained



PHOTO 2 Level 13 tower block to room RC slab leakage



PHOTO 3 Level 13 room entrance above RC slab leakage to below ceiling board view



PHOTO 5 Room entrance door frame ceiling board water stained view

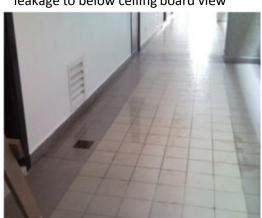


PHOTO 6 Room entrance floor water stained due to leakage from above RC slab



PHOTO 7 Another location at NOOZA ENTERPRISE office water stained view



PHOTO 8 NZ office RC slab leakage view



PHOTO 9 Another view of NZ RC slab stained view

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KELAB GOLF NEGARA SUBANG - JAPANESE RESTORANT ROOF TILES FLASING LEAKAGE AREA EXISTING SITE CONDITION



Photo 1 Kelab Golf Negara Subang entrance to Japanese Restorant roof leakage ...



Photo 2

Existing external tile and metal roof leakage view



Photo 4 Japanese restaurant kitchen area leakage from above metal roof



Iphoto 8

nterior kitchen area water stained from above metal roof. Flashing not cover to the extended valley and joint area between



Photo 10 Top view of defective tile and valley area causing heavy rain water back flow to ceiling area....



Photo 5

interior ceiling stained due to leakage from above metal roof ..



Pho to 7 Kitchen area stained ceiling and wall area due to leakege from above metal roof



Photo 11 Flashing not cover to the extended valley and joint area between tile and metal roof and defective sealant to be treated to avoid water backflow



Photo 3 Another view of metal roof front elevation where leakage from metal roof top



Photo 6 Another view of ceiling stained



Photo 9 Metal roof top view of defective flashing between tile roof and metal roof joint ...



Photo 12 Metal roof leakage to below Japanese **Restaurant view**



Basement

14 Phoenix Avenue Bungalow



1. Basement retaining wall.



2. Application of 1st coat waterproofing membrane.





3. Completion of waterproofing membrane.



4. Installation of protection board prior backfilling.