METHODOLOGY FOR COMBO ROOF SYSTEM.

STEP 1: CLEANING OF THE ROOF AREA USING COMPRESSED AIR.
STEP 2: COVERING THE PARAPET WALL (75CM HT) AND OTHER UTILITIES FIXED ON THE ROOF TO AVOID THE RISK OF OVER SPRAY.
STEP 3: SPRAY APPLY POLYURETHANE FOAM OF AVERAGE THICKNESS 155 MM WITH DENSITY 45-50 KG/M3.
STEP 4: BRUSH/SPRAY APPLY UV RESISTANT PROTECTIVE COATING ABOVE ENTIRE PU FOAM SPRAYED AREA.
STEP 5: LOOSELY LAY GEOTEXTILE SEPARATION AND PROTECTIVE LAYER 120 G/M2 WITH AN OVERLAP OF 30 CM.
STEP 6: FIX RIDGES IN PANELS AND SLOPE (1:12-36) MAX USING BITUMEN IMPREGNATED BOARDS AND CEMENT SAND MORTAR.
STEP 7: LAY PROTECTIVE SCREED CONCRETE (20MM) TO SLOPE (1:12-36 MAX OR TO DRAWINGS).
STEP 8: FIX BACKING ROD & HEAVY DUTY ELASTOMERIC PU SEALANT TO ALL CONSTRUCTION JOINTS IN SCREED.
STEP 9: FIX ANGLE FILLETS ALONG THE PARAPET, MECHANICAL DUCT OPENINGS AND PRE-UTILITY UPSTANDS.
STEP 10: APPLY FINAL COAT OF POLYFLEX (COMBO) CEMENTATION PROTECTIVE COATING ABOVE SCREED & ANGLE FILLET (+50MM VERTICALLY).
RainWater Outlet Termination Detail

1. GRAVEL
2. RAINWATER OUTLET
3. POLYFLEX (COMBO)
4. FLEXIBLE CEMENTITIOUS COATING
5. SBR BONDING AGENT
6. FIBRE REINFORCED CONCRETE
7. SCREED TO SLOPE
8. POLYFAB FILTER MEMBRANE 120GSM
9. BRUSH APPLIED POLYTEX LIQUID
10. ELASTOMERIC U.V PROTECTION COATING

DETAILED B

11. SPRAYED POLYFOAM INSULATION OF THICKNESS 155 MM OF DENSITY 45-50 KG/M3
12. REINFORCED CONCRETE
Pipe Penetration Details

- External Plaster Finish
- Fabric Reinforcement
- Cement Sand Fill
- Polybond Bonding Agent
- Polyflex (Combo)
- Flexible Cementitious Coating
- Sbr Bonding Agent
- Fibre Reinforced Concrete
- Screed to Slope
- Polyfab Filter Membrane 120GSM
- Brush Applied Polytex Liquid
- Elastomeric U.V Protection Coating

- Sprayed Polyfoam Insulation of Thickness 155 mm of Density 45-50 kg/m3
- Reinforced Concrete
AHU Support Details (Small Units)

- External Plaster Finish
- Fabric Reinforcement
- Cement Sand Fillet
- Polybond Bonding Agent
- Polyflex (Combo)
- Flexible Cementitious Coating
- SBR Bonding Agent
- Fibre Reinforced Concrete Screed to Slope
- Polyfab Filter Membrane 120gsm
- Brush Applied Polytex Liquid Elastomeric U.V Protection Coating

- Sprayed Polyfoam Insulation of Thickness 155 mm of Density 45-50 kg/m³

- Reinforced Concrete
Expansion Joint W/P Details

BACKING ROD
POLYSEAL 1PU SEALANT

EXTERNAL PLASTER FINISH
FABRIC REINFORCEMENT
CEMENT SAND FILLET
POLYBOND BONDING AGENT
POLYFLEX (COMBO)
FLEXIBLE CEMENTITIOUS COATING
SBR BONDING AGENT
FIBRE REINFORCED CONCRETE
SCRED TO SLOPE
POLYFAB FILTER MEMBRANE 12GSM
BRUSH APPLIED POLYTEX LIQUID
ELASTOMERIC U.V PROTECTION
COATING

SPRAYED POLYFOAM INSULATION
OF THICKNESS 155 MM OF DENSITY
45-50 KG/M3

REINFORCED CONCRETE