

3. Self-adhesive tanking membranes shall not be used.
4. Waterproof membrane shall meet or exceed the properties given in Table 10-5 below.

Table 10-5:– Waterproof Membrane Requirements

Property	Test Method	Value
Nominal thickness	-	4 mm (for single layer) 6mm (for double layer)
Weight of reinforcing fabric	-	200 g/m ²
Tensile strength	ASTM D146	500 N/50mm in either direction
Elongation at break	ASTM D146	40% in either direction
Tear resistance	ASTM D4073	440 N in transverse direction 550 N in longitudinal direction
Softening point	ASTM D36	110°C

1. Accessories

- a. Waterproof membrane primer shall be:
 1. Compatible with the waterproof membrane.
 2. Recommended by the membrane manufacturer.
 3. Formulated for use in hot climates.
- b. Bituminous mastic for moulding into 40 mm by 40 mm fillets for use at 90 degree internal junctions and sealing around pipes and penetrations through walls shall be a cold applied gun grade rubber/bitumen compound as recommended by the membrane manufacturer and be formulated for use in hot climates.
- c. 40 mm x 40 mm triangular fillets shall be hollow triangular PVC extrusions, fixed to the concrete or other surfaces using adhesives as recommended by the manufacturer.
- d. Protection board shall be minimum 6mm thick plywood or blockboard as approved by the Engineer.
- e. Cement sand screed shall comprise 1 part cement to 3 parts sand (5mm maximum aggregate size) or as approved by the Engineer.
- f. Flashing shall be 1 mm thick aluminum.

10.3 Part 3 Execution

10.3.1 General

1. Prior to the application of coatings, membranes, insitu lamination or waterproofing