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MODEL CLAUSES FOR CIVIL ENGINEERING WORKS

SECTION 114 TANKING

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SECTION 114 TANKING

Application of tanking **114.001** The scope of the tanking works shall be a specified in Appendix 114/1.

Type of tanking **114.002** The tanking shall be the type specified in Appendix 114/2.

Mastic asphalt tanking **114.003** Mastic asphalt for tanking shall comply with BS 6925.

The tanking shall be carried out in accordance with BS 8102.

The tanking shall be applied in three coats. Horizontal work shall be laid to a total thickness of 30 mm with 150 mm laps and vertical work shall be laid to a total thickness of not less than 20 mm with 75 mm laps. Junctions between horizontal and vertical work shall be made with two coat angle fillets at all internal angles.

Flexible tanking system **114.004** The tanking membrane shall be self-adhesive rubber or bitumen laminated sheeting with a minimum thickness of 1.5 mm that has been certified by the British Board of Agrément as being suitable to protect structures against water from the ground. Lap joints shall be self sealing. The membrane shall be laid horizontally on blinding concrete prior to the positioning of waterstops.

The tanking membrane shall be resistant to damage caused by aggressive chemicals in the ground and ground water.

External waterstops shall be incorporated at all construction and bay joints to base slabs and walls.

Waterstops, having a minimum width of 320 mm, shall be incorporated at kicker joints occurring at the junction between base slabs and walls.

Waterstops, having a minimum width of 240 mm, shall be incorporated at all expansion joints which shall be formed with a preformed cork based joint filler.

Reinforcing strips of tanking membrane 300 mm wide shall be applied over all internal and external angles. Internal angles at toes of retaining walls shall be pointed with mastic.

Surface preparation **114.005** After formwork to retaining walls has been struck, the external surfaces to be tanked shall be prepared in accordance with the manufacturer's Application Guidelines or Method Statement. Defects in the surfaces, including form tie holes, shall be made good so that the membrane is fully supported.

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