

Daraflexsystem

TANKING (WATERPROOFING) OF BASEMENTS

Discussion

At the construction stage of any concrete structure which ultimately is beneath ground level, it is essential to guard against the ingress of moisture. DARAFLEX due to its toughness, flexibility and ability to withstand constant moisture, is an economical solution.

Surface Preparation

Ensure a smooth dry surface free of any barrier to adhesion. Cracks and void should be filled using HYPERCRETE – a plasticised cementitious compound. Should the surface consist of rough brickwork, bagwash to a smooth finish, using a HYPERCRETE slurry. Allow 24 hours drying period.

Application

Apply by brush or roller one coat of DARAFLEX PRIMER (60 part water, 40 part product) at the rate of 6m²/l. Allow a minimum of 30 minutes drying at 25o C and 60% R.H.

Apply at the rate of 1L/m² undiluted DARAFLEX and immediately embed the SBP Geo-Fabric into the wet product ensuring no creases or folds in the material. Work the membrane into the DARAFLEX using a brush. Product should be evident “striking through” the membrane and if this is not the case, too little product has been applied. At this point additional DARAFLEX at the rate of 1L/m² should be applied in 100 mm wide strips along the edges of the membrane.

Apply the second run of membrane into the bedding coat in the same manner ensuring an additional coat at 1L/m² between the two layers of membrane at the 100 mm overlap.

After allowing a minimum drying period of 45 minutes at 25o C and 60% R.H. apply a coat of diluted DARAFLEX (90 part product, 10 part water) at the rate of .75L/m². Allow a minimum of 45 minutes drying period and:

Apply a further similarly diluted final coat of DARAFLEX at the rate of .75L/m². It will be noted that a total of 2.5L/m² of DARAFLEX has now been applied. The minimum weight of the membrane alone shall be 100g/m². The total weight per m² shall therefore be:

$$\frac{2.5}{1} \times \frac{55}{100} = 1.375 \text{ Kg/m}^2 + .130 = 1.505 \text{ kg/m}^2$$

technical data sheet



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Finish coat

No finish coat is required.

Note

Caution should be exercised when back filling operations commence as sharp objects will damage the membrane. In order to provide mechanical protection, it is recommended that the wall is lined with a cement fibre board, soft board or equivalent.

A cure period of two days should be allowed before back filling.

Waterproofing/
Waterdigting

technical data sheet