



# Thermoflexsystem

## THERMOFLEX APPLICATION SHEET NO.2 WATERPROOFING OF PLANTERS AND FLOWER BOXES

### Discussion

The requirements of a waterproofing system for the above are: Resistance to constant dampness. Resistance to root penetration. A degree of mechanical resistance, as spades and gardening forks are used in the course of garden maintenance. Drainage stones are normally placed beneath the soil and separated by a layer of geo-fabric

### Surface Preparation

All forms of surface contamination must be removed to ensure a smooth surface, free of any loose material or any other barrier to adhesion. Cracks or voids in the surface must be made good using HYPERCRETE, (modified cementitious material) and allowed to cure for a minimum of 24 hours. Should the planter box consist of a bricked structure, the whole internal area can be levelled using HYPERCRETE

### Application

By means of brush or roller apply a thin uniform coating of THERMOFLEX PRIMER to the entire surface to be waterproofed. Observe fire precautions. Allow a 3 hour drying period and "lay up" the area with THERMOFLEX. Ensure a minimum of 75mm for overlaps. Fold THERMOFLEX back from the vertical surfaces and burn off the plastic backing sheet. Place the heated THERMOFLEX onto the surface ensuring complete contact. Using a trowel lift up the membrane at the overlaps and torch, running along all the joints. Press the heated surfaces together. All edges can now be smoothed by means of a heated trowel

### Finish coat Application

In order to provide mechanical protection, a HYPERCRETE cementitious finish is recommended. The natural colour is cement grey but by means of incorporating pigments a dark green, brown or black colour can be achieved.

Prepare the HYPERCRETE slurry in the following manner.

Add ± 10 lt of water to 1 bag of OP. cement. Trowel the mixture to a uniform consistency and whilst mixing add 15 Lt of HYPERCRETE. A consistent lump-free slurry is thus prepared.

Ensure that the THERMOFLEX is clean and free of any barrier to adhesion.



Apply by means of brush or roller HYPERCRETE slurry to the THERMOFLEX at a rate of 1sqm /L and immediately embed SPB100 Geo-fabric into the wet product. Allowing a 30 minute drying period between coats and apply a further 2 applications of HYPERCRETE slurry at the rate of .75 Lt / m sq.

N.B. The completed system should be protected from rain for a period of 48 hours at 25 deg. C at RH 65 % A further 24 hour period should be allowed before the planter may be filled.

The completed system is maintenance free providing reasonable care is taken during gardening operations.

technical data sheet

