



SUMMARY TRIAL REPORT

The Use of TerraCottem[®] Universal in roof gardens: Nilssonsberg project, Sweden



A roof garden is generally a garden in an unusual place, often with limited access (pots) and needs a substantial amount of input of water and nutrients.

By incorporating the TerraCottem[®] soil conditioner into the growing media, plant growth is improved as well as the substrate's water and nutrient holding capacity which survival rate and help maintain healthy looking plants.

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Reference

- Nilssonsberg Project
- Goteborg, Sweden
- 2002
- Architect Leif Stenstrom

A roof garden is generally made out of the following layers:

- waterproof layer (5),
- drainage layer (3),
- lightweight growing medium (1) and
- plants.

Different soil profiles were used in the Nilssonsberg project depending on whether the site was used for bushes, trees or grass (see fig. 1).

→ Soil for roof gardens:

- Clay: 15%
- Compost: 5-15%
- Less than 20% gravel
- pH = 6-7

→ Soil additives:

- ✓ P = AL 12-20 mg/100g soil
- ✓ K = AL 20-40 mg/100 g soil
- ✓ Mg = AL 10-20 mg/100 g soil
- ✓ TerraCottem[®] Universal: 0.5 kg/m³ soil

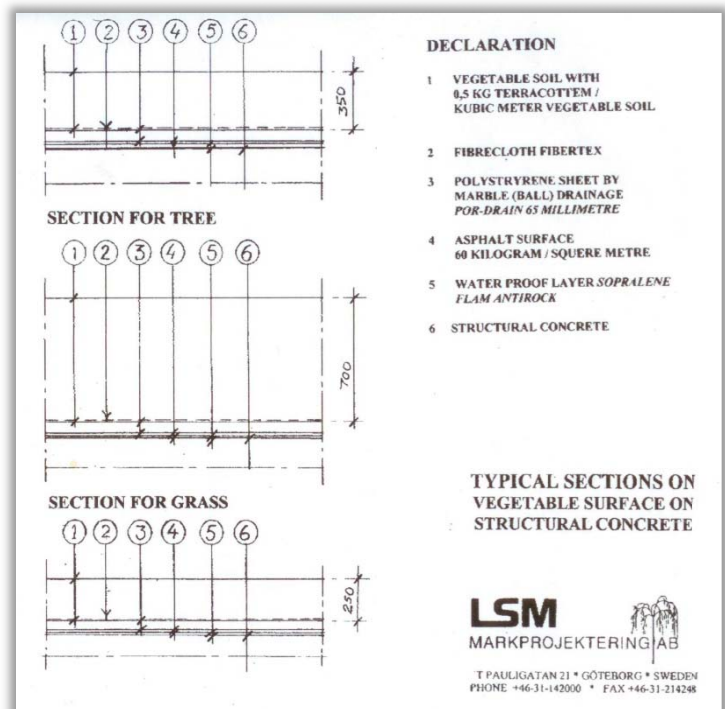


Fig. 1 Roof garden profile





Fig. 2 Nilssonsberg project, Goteborg, Sweden



Fig. 3 Nilssonsberg project, Goteborg, Sweden