

# ARCHITEK ASSURED GREEN ROOFS

## basic extensive

A cost effective approach for extensive green roof system, it is a light weight build up composed of a drainage board thinner than usual which can reduce the height of flashings and borders; Easiness on installation since drainage board and filter sheet are merged in one single layer. This system is designed for those green roofs that does not requires a signficant amount of water retention but still performs in other sustainable aspects for the bulding. The basic extensive green roof can be installed in both types of roofs, conventional and inverted assemblies.

### KEY FEATURES:

**Cost savings:** requires less time to install and very low maintenance involved;

**Improved Performance:** Increased thermal insulation.

**Reduced Heat Island:** Moderates temperature so rooftop equipment (including solar PV) operates more efficiently.

**Increased Value:** Enhances views, creates enjoyable outdoor space and provides habitat for nature.

**Locally Sourced Materials:** Architek uses mostly locally sourced materials.

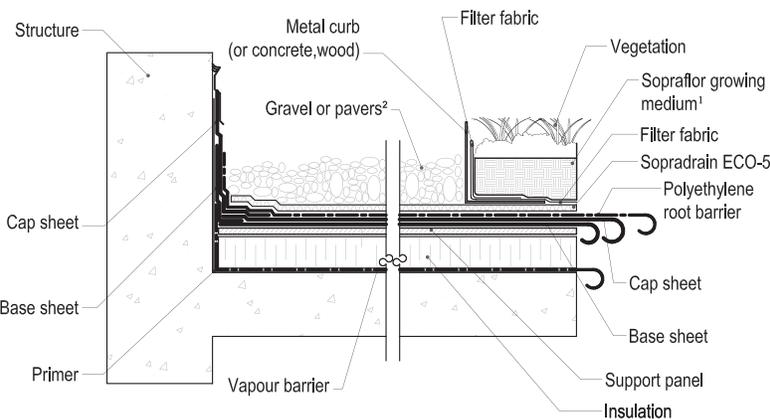
**LEED Features:** beyond Sustainable Sites (SS) and Water Efficiency (WE) some layers of this build up has recycled material content and can contribute to Materials & Resources categorie.



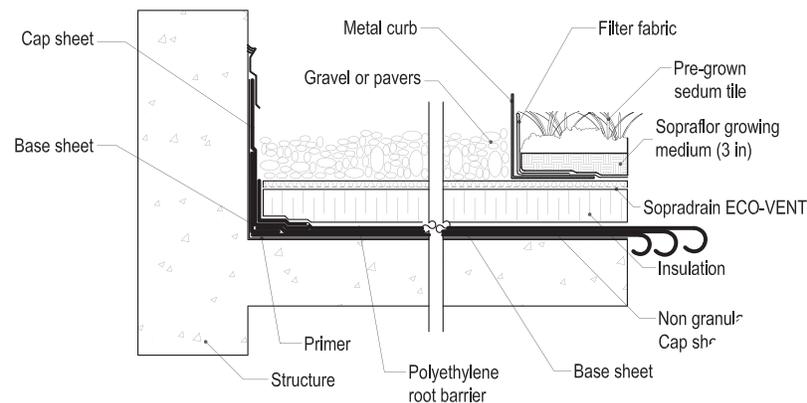
Drainage board for conventional roofs.



Drainage board for inverted roofs.



CONVENTIONAL ROOF ASSEMBLY - TYPICAL DETAIL



INVERTED ROOF ASSEMBLY - TYPICAL DETAIL

Thickness of system (inch):	< 4.0"
Saturated Weight (lbs/sqf):	< 25
Vegetation (types):	Mix of Sedums / Plugs / Perennials

COMPONENTS:



**Special plants for extensive green roofs.** Sedums, plugs and perennials. Sedum size: 12" x 24" (different mixes). A coconut fiber base assures effective rooting of plants to the underlying growth medium and holds the tile together for easy installation.



**Architek Extensive Mix.** the proper blend of organic matter and aggregates to an FLL standard. The growing media ensures the nutrients needed for the growth of plants, serves as a support to the roots, thus providing the ground of the growth of the vegetation. It includes mostly minerals, mixtures with proper air content, and durable good water permeability and stable structure.

Available in bags and bulks.



**SOPRADRAIN ECO-5.** is a drainage board composed of a polyethylene core on which a geotextile is factory-laminated. It weights less than 1 kg/ m<sup>2</sup>, compared to 145kg/m<sup>2</sup> for a 10-cm layer of drainage gravel.

Board size (mm):	1830 (W) × 20000 (L) × 8 (H)
Net area (sqm):	36.6
Board weigh:	35 Kg



**SOPRADRAIN ECO-VENT.** is a high density drainage board composed of a post-industrial recycled polypropylene core on which a geotextile is factory-laminated. The tangled polypropylene filaments are melted and molded into an embossed board following a crimped pattern, ensuring good flexibility.

Board size (mm):	3250 (W) × 30500 (L)
Net area (sqm):	30.1
Board weigh:	25.5 Kg



**Root Barrier.** Root resistant and vapour control layer made of 20-40 mm thick elastic polyethylene regenerate. Applicable as a vapour control layer and can be used as a root resistant layer on green roofs when lied down with a 1.0 m overlapping. Dimensions: 4×25 m (W×L); Roll width: 1 m; wrapping: 100 m<sup>2</sup>/roll; colour: black.