GREEN ROOFS

ELEVATED ECOSYSTEMS

GREEN ROOFS

- Recovers green space lost to urban development
- Ecological
  - Stormwater management
    - reduces flooding-retention (50-60%) ,slow release
    - reduces erosion
    - improves water quality
    - reduces release of sewage

GREEN ROOFS

- Energy conservation
  - Reduces heat sink –heat island effect
  - Conserves energy during peak periods-reduces brown outs
- Wildlife habitat
  - Food source – birds, butterflies
  - Nesting environment
  - Filters air
    - retains dust particles
    - retains pollen

GREEN ROOFS

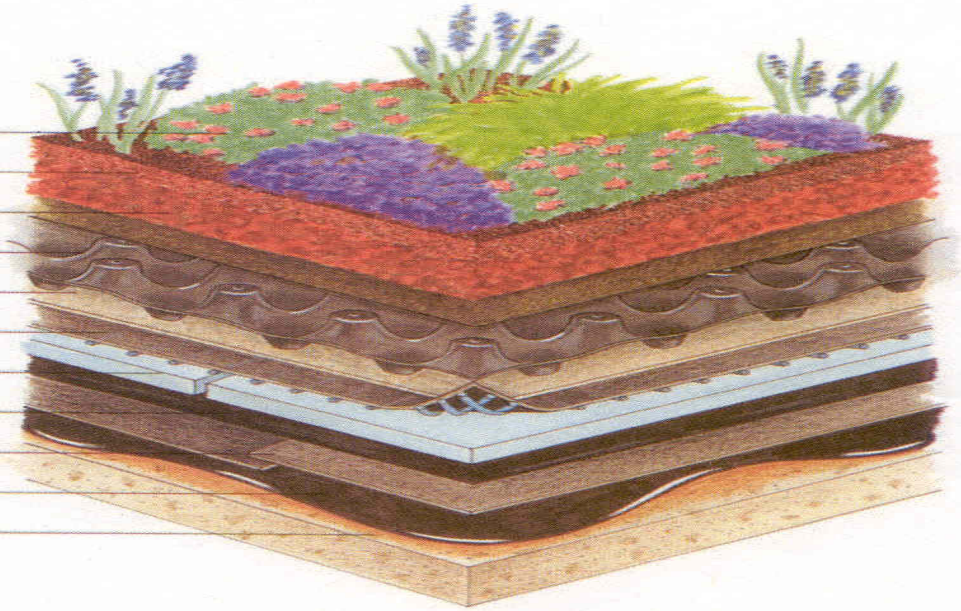
- Economical
  - roof membrane longevity – reductions in uv radiation and temperature
  - green industry opportunities.
- Aesthetic
  - enhanced vistas
  - enhanced working environment

LANDSCAPED PLAZA/PLANTER

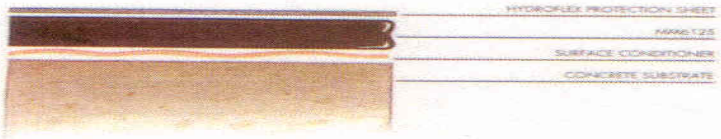
- GRASS
- SOIL
- HYDRODRAIN
- HYDROFLEX
- MM6125
- SURFACE CONDITIONER
- CONCRETE

GARDEN ROOF™

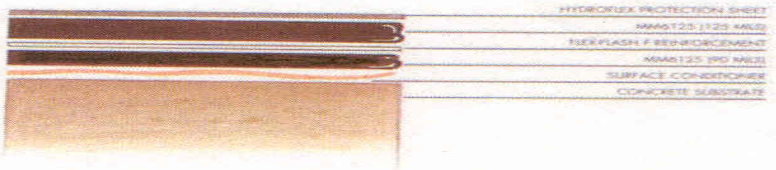
- "EXTENSIVE" VEGETATION
- SUBSTRATE SOIL
- SYSTEMFILTER SF
- FLORADRAIN 40
- MOISTURE MAT SSM45
- HYDRODRAIN
- STYROFOAM®
- ROOT STOP WSF 40
- HYDROFLEX 30
- MM6125-EV
- SURFACE CONDITIONER



STANDARD ASSEMBLY
(180 Mils thick — 4.6 mm)



FABRIC REINFORCED (FR) ASSEMBLY
(215 Mils thick — 5.5 mm)



GREEN ROOFS

- Intensive vs extenisve green roofs
  - Intensive
    - Diversified plant pallete
      - Trees, shrub, grass, annals& perennials
    - Varying substrate depths (12 cm-35 cm)
    - Park-like
    - Public access
    - High maintenance

INTENSIVE GREEN ROOF

INTENSIVE GREEN ROOF

GREEN ROOFS

- Extensive
  - Limited plant pallete
    - Drought tolerant perennials, sedum
    - Shallow substrate (10cm)
    - Low maintenance
    - Limited public access

Extensive Green Roof