

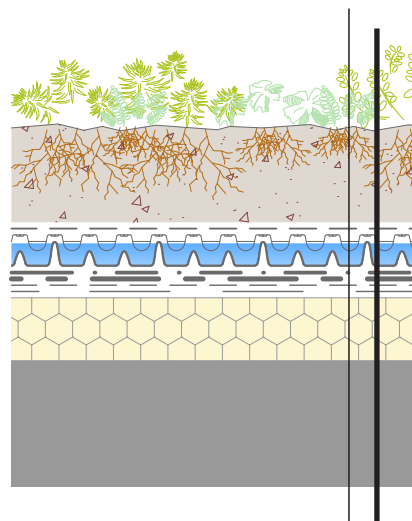
Root protection layer 340107 / 340108 / 340109

ADVANTAGES

- Bitumen-proof, oil-proof and polystyrene-proof (for FLW-400 and FLW-500)
- May be installed as vapour control layer
- Root-resistant



FLW-400
FLW-500

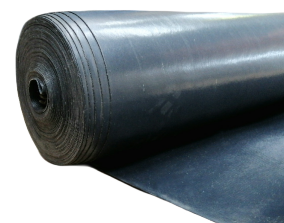


DIADEM® BUILD-UP (FLW-400)

- extensiv vegetation
- extensiv substrate
- VLF-150 separation and filter geotextile
- DiaDrain-25H drainage layer
- VLU-300 mechanical protection geotextile
- FLW-400 root-resistant layer
- VLF-110 separation and filter geotextile*
- non root-resistant waterproofing membrane
- additional layers

*We recommend placing a protective geotextile between the root-resistant membrane and the non-root-resistant waterproofing layer.

FLW-1000



APPLICATION

The root systems of plants on intensive green roofs can damage the building structure. Additionally, various wind-carried plants may appear on extensive green roofs, including those with aggressive roots or rhizomes, which can threaten traditional waterproofing. Therefore, appropriate root protection must be ensured for every vegetated roof surface.

SPECIFICATION

FLW-400

Root resistant and vapour control layer made of 0.4 mm thick elastic polyethylene regenerate, root resistance tested according to standard CEN/TS 14416:2014. Applicable as a vapour control layer and can be used as a root resistant layer on extensive green roofs when lied down with a 1.0 m overlapping. Dimensions: 4 x 25 m (W x L); roll width: 1 m; wrapping: 100 m²/roll; colour: black; weight: 0.35 kg.

FLW-500

Root resistant and vapour control layer made of 0.5 mm thick elastic polyethylene regenerate, root resistance tested according to standard CEN/TS 14416:2014. Applicable as a vapour control layer and can be used as a root resistant layer on extensive green roofs when lied down with a 1.5 m overlapping. Dimensions: 6 x 25 m (W x L); roll width: ca. 1.5 m; wrapping: 150 m²/roll; colour: black; weight: 0.47 kg.

FLW-1000

Root resistant layer made of 1 mm thick plasticized PVC. On green roofs with an overlapping of 5 cm, the seams can be joined using a hot welding hand tool or THF solvent welding agent. NOT bitumen- and UV resistant. Dimensions: 1.5 x 25 m (W x L); surface weight: 1.4 kg/m²; colour: black; packaging: 37.5 m²/roll; roll weight: ca. 52.5 kg.

Product: DIADEM® FLW-400 / DIADEM® FLW-500 / DIADEM® FLW-1000

Producer's certificate: A.P.P. Kft.

Website: www.diadem.com



100% recyclable

TECHNICAL DATA

| | FLW-400 | FLW-500 | FLW-1000 |
|--|-----------------|--------------|----------|
| Thickness (mm): | 0.4 | 0.5 | 1 |
| Tensile strength (DIN EN12310-2) (N/mm ²): | >= 14; >= 12 | >= 14; >= 12 | - |
| Tensile strength (DIN EN12311-2) (N/50mm): | - | - | 760/490 |
| Material: | LDPE | LDPE | PVC |
| Root resistance (CEN/TS 14416): | root resistance | | |



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