

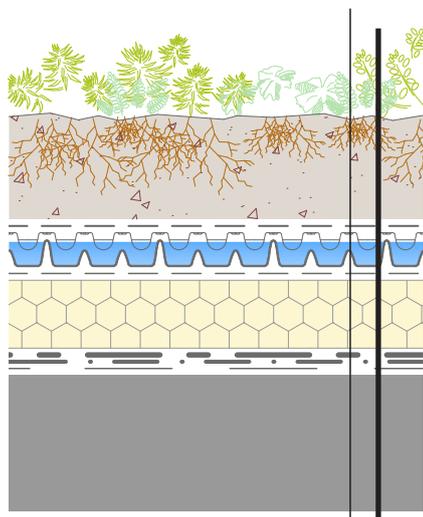
Root protection layer  
340107 / 340108 / 340109

## 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
- VLF-110 separation and filter geotextile
- FLW-400 root-resistant layer
- VLU-300 mechanical protection geotextile
- non root-resistant waterproofing membrane
- additional layers

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.



100% recyclable

## 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 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; 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 green roofs when lied down with a 1.5 m overlapping. Dimensions: 6 × 25 m (W × L); roll width: ca. 1.5 m; wrapping: 150 m<sup>2</sup>/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 × 25 m (W × L); surface weight: 1.4 kg/m<sup>2</sup>; colour: black; packaging: 37.5 m<sup>2</sup>/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](http://www.diadem.com)

## TECHNICAL DATA

	FLW-400	FLW-500	FLW-1000
Thickness (mm):	0.4	0.5	1
Tensile strength (N/mm <sup>2</sup> ):	10-25	10-25	10-17
Material:	LDPE	LDPE	PVC
Root resistance (CEN/TS 14416):	root resistance		



A.P.P. Kft.

Tel.: +36 96 512 910 • [info@diadem.com](mailto:info@diadem.com) • [www.diadem.com/hu](http://www.diadem.com/hu)

APP Dachgarten GmbH

Tel.: +49 841 370 9496 • [info@diadem.com](mailto:info@diadem.com) • [www.diadem.com/de](http://www.diadem.com/de)

DIADEM CH AG.

Tel.: +41 79 516 20 62 • [info@diadem.com](mailto:info@diadem.com) • [www.diadem.com](http://www.diadem.com)

