

# Product Data Sheet

## Root Barrier WSF 40



Established, proven and tested sheet, easy to install, made of environmentally-friendly polyethylene for the use as root protection under extensive green roofs.

### Technical Data

EDP No. 1040 / 1044 / 41040

#### Root Barrier WSF 40

Seamless tarp of high-pressure polyethylene (PE-LD).

Color:	black	
Thickness:	ca. 0.01 in.	(ca. 0.34 mm)
Weight:	ca. 0.06 lbs/sq. ft.	(ca. 320 g/m <sup>2</sup> )
Density:	ca. 0.03 lbs/cu. in.	(ca. 940 kg/m <sup>3</sup> )
Tensile strength at 2.8 °F (20 °C):	ca. 5800 psi	(ca. 40–47 N/mm <sup>2</sup> )
Tensile strength at 102.8 °F (120 °C)	ca. 2900 psi	(ca. 20–25 N/mm <sup>2</sup> )
Tensile expansion:	> 400 %	
Coefficient of sliding friction:	ca. 0.29	

#### Dimensions:

##### EDP No. 1040

rolls of ca. 6.6 ft. (2 m) in width, folded ca. 26.2 ft. x 82.0 ft. (ca. 8.00 m x 25.00 m)

##### EDP No. 1044

rolls of ca. 5.0 ft. (1.5 m) in width, folded ca. 9.8 ft. x 109.9 ft. (ca. 3.00 m x 33.50 m)

##### EDP No. 41040

ca. 215 sq. ft. (ca. 20 m<sup>2</sup>), folded ca. 20.5 ft. x 10.5 ft. (ca. 6.25 m x 3.20 m)

### Features

- root resistant
- resistant to humic acids
- compatible with bitumen and polystyrene
- partially resistant to oil and petrol
- UV-stabilized
- environmentally-friendly / no chemical softeners
- high tensile strength
- proven and tested for years
- quick and easy installation

### Installation Instructions

For extensive green roofs, install the Root Barrier WSF 40 above the non root resistant waterproofing with an overlap of at least 5.0 ft. The root barrier has to be taken above the Growing Media along edges and at roof penetrations. Cut the root barrier in situ at roof penetrations.

Consider an allowance of ca. 20–30 % for overlap and wastage. Root Barrier WSF 40 is, included, but not limited to, to be installed according to manufacturer's instructions, not exposed to UV-light, completely covered. Call manufacturer for further options.

### Health and Safety

This product does not require a material safety data sheet (MSDS) according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When used as recommended or under ordinary

conditions, it should not present a health and safety hazard. However, an MSDS can be provided as a courtesy in response to a customer request.

