

Product Description

Designed as a root penetration barrier which protects the roofing membrane against potential ingress from perennial and grass root systems. NL120 is a flexible and impermeable sheet made of low density polyethylene (LDPE) that is chemically inert as well as physically and chemically compatible with all roofing and waterproofing membranes. It is also resistant to fats, oils, chemicals, microorganisms, and UV.



Technical Data

Mechanical Properties

▪ Material	LDPE
▪ Thickness (mm)	0.5
▪ Weight (kg/m ²)	0.46
▪ Tensile strength (N/cm)	119-168
▪ Elongation at film break (%)	700-900
▪ Tear resistance (N/mm)	44-53
▪ Puncture resistance (N)	107-178
▪ Volatile loss (%)	<1
▪ Dimensional stability (%)	<2
▪ Use temperature (°C)	-56/82
▪ 2% secant modulus (max) MPa	414-207
▪ Carbon black content TGA (%)	1.6-2.4

Packaging Properties

▪ Color	Black
▪ Width (m)	3.86
▪ Length (m)	33.52
▪ Area (m ²)	129.4
▪ Diameter of roll (cm)	38
▪ Length of roll (m)	2.06

Recommended Application

- Unroll NL120 Root Barrier roll, cut to required length.
- Product comes folded in half lengthwise. Open the fold to expose true width of product.
- Install loose-laid with a min. 300mm overlap onto adjacent root barrier material.
- Continue root barrier under the non-vegetated zones and up the sides of the roof edges (wall/parapet) to the top of vegetated system.
- Start next row with a partial roll so the end joints stagger between rows.
- Cut and fit tightly along roof edge and around penetrations.
- Cover immediately to avoid displacement by wind.

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