



Resistance to Roots test
PD CEN/TS 14416:2014



Root Barrier C3

A triple coated linear barrier designed to protect structures and services from root damage and control the spread of invasive plants.

Root Barrier C3 is a special triple coated, twin reinforced, polyethylene membrane - offering the strength and durability of a ground engineering fabric with the impenetrability of a geomembrane. The fabric is also highly resistant to natural acids, alkalis, bacteria and fungi

Root Barrier C3 is a tough, flexible and puncture resistant barrier which is highly resistant to root penetration and designed to protect structures and services from tree root damage, as well as controlling the spread of invasive plants (Such as Japanese Knotweed, Giant Hogweed, Mares Tail and Bamboo).

The membrane can also be used for tree pits, foundations and service channels.

Root Barrier C3 has a life expectancy of over 50 years which is an important recommended requirement by the Environment Agency - as Japanese Knotweed rhizome can remain dormant for at least 20 years.

Features/Benefits:

- High puncture resistance (4,500N [EN ISO 12236])
- Suitable for vertical & horizontal installation
- Extremely flexible
- Multiple roll sizes to cater to all needs
- CE marked
- 50 year life expectancy
- Effective barrier against Japanese Knotweed, Hogweed and other invasive weeds
- Triple coated and twin reinforced layers thermally bonded
- Tough and durable
- UV stabilised
- Passed root test (DD CEN/TS 14416:2005)
- Highly resistant to natural acids, alkalis, bacteria and fungi
- Impermeable membrane

Root Barrier C3 (Solar Black)

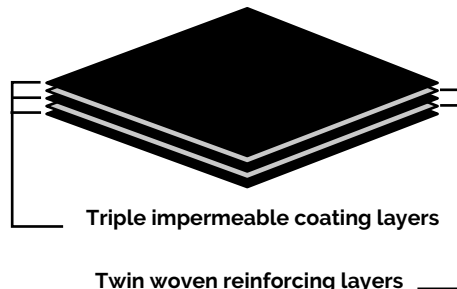


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Application Categories: Landscaping and Weed Control, Tree Protection



Root Barrier C3 Lapping Tape



Root Barrier C3 complies with...

- Mandatory CE Mark certification
- BS5837, 2014 clause 13.1 Trees in relation to Construction recommendations
- National Joint Utilities Group Guidelines for Utility Apparatus in Proximity to Trees
- Environment Agency Knotweed Code of Practice recommendations

Guidance

- Lapping tape also available
- We suggest 0.5m overlaps as standard practice

Feature	Hy-Tex Root Barrier C3 (Solar Black)
Material	Triple coated, twin reinforced, impermeable, polyethylene barrier membrane
Tensile Strength	md 34kN/m cd 31kN/m [EN ISO 10319]
Elongation	md 25% cd 20% [EN ISO 10319]
Hydrostatic Resistance	2.107 kPa [ASTM D751-19]
Puncture Resistance	4,500N [EN ISO 12236]
UV Stabilisation	400 kLy
Colour	Black
Weight	365g/m ²
Roll Size	1.00, 1.50, 2.00, 3.00 & 4.00m x 25.00m 1.00 & 2.00m x 50.00m + specials
Life Expectancy	Buried: predicted to be durable for over 50 years in natural soils with pH between 4 and 9 and soil temperatures lower than 25°C. Permanently Exposed: expected half strength life of approx 7 years in UK conditions.

HDPE backed bitumen "Root Barrier Lap Tape" in 300mm x 20m reels is also available

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