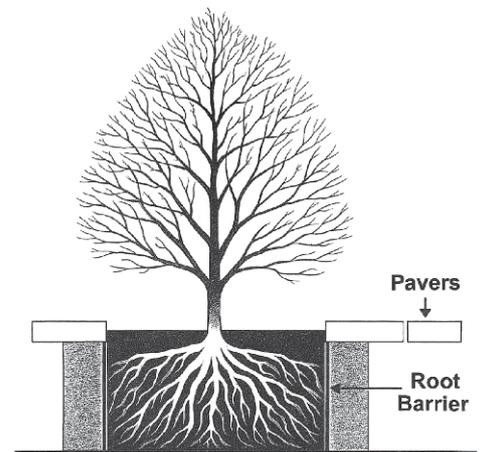




# OCTO ROOT GUARD

## Environmental Solutions

| Physical Properties              |                                       |
|----------------------------------|---------------------------------------|
| Material                         | Polyvinyl Chloride (PVC)              |
| Core profile                     | Raised cusps on both sides (flexible) |
| Mass                             | 750 gsm (nominal)                     |
| Thickness (mm)                   | 0.7 mm                                |
| Core thickness                   | 25 mm                                 |
| Roll widths                      | 600 mm, 800 mm, 1000 mm               |
| Roll lengths                     | 4000 mm                               |
| Mechanical Properties            |                                       |
| Tensile strength (ASTM D412)     | 19 kN/m (MD) / 19 kN/m (TD)           |
| Burst strength (CBR AS3706.4)    | 1000 N                                |
| Bonding Methods (Typical Values) | Bonding strength (nominal)            |
| 50 mm double-sided butyl tape    | Tensile Strength 4 kN/m               |
| 50 mm silver-backed butyl tape   | Tensile Strength 5 kN/m               |
| Heat weld (25 mm overlap)        | Tensile Strength 25 kN/m              |



Constructed from polyvinyl chloride (PVC), **OCTO ROOT GUARD** exhibits high tensile strength, flexibility, and exceptional durability, with superior resistance to ultraviolet (UV) radiation, chemical corrosion, and fungal degradation.

The invasive growth and expansion of plant root systems can compromise the structural integrity of pavements, roadways, building foundations, and subsurface utilities. **OCTO ROOT GUARD** serves as an effective subterranean barrier, mitigating root intrusion and thereby significantly reducing the risk of costly structural damage and maintenance expenditures.

- Lightweight and easy to install using a narrow-width excavator.
- Provides a barrier against shallow roots, reducing the uplifting of sidewalks, etc.
- Redirects roots downward to encourage deep rooting, which anchors trees and prevents root circling.
- Features a dimpled product profile to increase friction with affected roots.
- Cost-effective compared to concrete.



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