

TECHNICAL DATA SHEET - 'ROOT GARD'

DESCRIPTION:			
<p>Root Gard is a polymeric membrane that acts as a barrier for the protection against the unwanted intrusion of tree roots and moisture seepage in prevention of kerb, driveway and house foundation damage. The Root Gard root control barrier is a waterproof flexible membrane made from high density polyethylene plastic and stabilised to comply with ASTM D5199 and D1505. This product will allow for trees to remain and exist alongside of buildings, driveways and paths without causing any underground problems. To further enhance the protection Bentonite can be used in conjunction with Root Gard to seal and bind the Root Gard to the bottom of the trench.</p>			
AREAS OF USE:			
<p>Root Gard is suitable for the following applications:</p> <ul style="list-style-type: none"> • New or existing roadway constructions. • Protecting concrete paths and pipes. • Landscaping applications • Protection from tree roots. 			
FEATURES AND BENEFITS:			
<ul style="list-style-type: none"> • Chemically inert. • Available in a range of roll lengths, thicknesses and widths. • Easy to use. • Australian made to Australian conditions. • Cost effective. • A recyclable product (Resitech can recycle any offcuts, including the inner core). 			
HEALTH AND SAFETY:			
<p>Safety Precautions:</p> <ul style="list-style-type: none"> • Avoid excessive heat • Avoid oxidising agents • Lift with care. • Unroll with care as corners can be sharp. 			
TECHNICAL DATA:			
PHYSICAL PROPERTY	TEST METHOD	VALUE	UNITS
Density	ASTM D1505/D2839	0.945	G/CM3
Tensile Strength	ASTM D638	27	MPa
Elongation at Break	ASTM D638	>600	%
Flexural Modulus	ASTM D790	990	MPa
Izod Impact Strength @ -30 degrees Celsius	ASTM D256 Method A	250	J/m
Durometer Hardness	ASTM D2240	63	SHORE D
ESCR-100% IGEPAL (F)	ASTM D1693	>1000	HOURS
Carbon Black	ASTM D1603	2	%
PACKAGING AND STORAGE:			
<ul style="list-style-type: none"> • Root Gard rolls are available on pallets or as singular rolls. • Product is available labelled to your company's specifications if required. • Sizes available: <ul style="list-style-type: none"> • 150mm - 1500mm width • 750uM – 1000uM thickness • 30m - 50m length • Custom dimensions, including thickness are available on request. • Available in smooth, embossed and dimpled. 			
WARRANTY:			
<p>When professionally installed 'Root Gard' comes with a 15 year warranty against root penetration. Professionally installed implies:</p> <ul style="list-style-type: none"> • That the product is shielded from direct sunlight and excessive heat. • That the product is not damaged during installation. • That creasing is prevented before, during and after installation. 			

- That a tree expert is consulted and provides a report which will need to accompany any warranty claim.
- That the tree(s) or plant(s) are given enough space to grow.

Only damage claims accompanied with the original invoice can be considered.

Warranty only covers the replacement of the product and doesn't cover any other costs such as, but not limited to: installation, removal or repair.

DISCLAIMER

The information provided by Resitech in relation to Resitech goods or their use is in good faith, which has been compiled from various sources and is believed by Resitech to be appropriate and reliable. The actual use and application of the goods will vary with application conditions which are beyond our control. Resitech makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information.