

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. • Permanent lifespan as it is non-degradable product • 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. 			
DISCLAIMER			
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