



RESITECH INDUSTRIES PTY LD

5A Priority Street, WACOL QLD 4058 PO BOX 3116 BIRKDALE QLD 4159
Phone: 07 3879 4409 Fax: 07 3879 4067 Email: info@theresitechgroup.com
Specialists in Plastics Recycling & Plastic Sheet Extrusion Products

TECHNICAL DATA SHEET

“ROOT GARD” BARRIER PRODUCT

DESCRIPTION:

“**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 Australian Standards to AST, D5199/1505. This product will allow for trees to remain and exist along-side of buildings, driveways and paths without causing any underground problems.

AREAS OF USE:

‘Root Gard’ is suitable for the following applications:

- New or existing roadway constructions.
- Protection of concrete paths and pipes etc.
- Landscaping applications.
- Protection from tree roots.

FEATURES AND BENEFITS:

- Rigid barrier for ease of use when creating a vertical root barrier.
- Chemically inert.
- Available in a range of roll lengths, thicknesses and widths.
- Easy to use.
- Australian Made to Australian conditions.
- Permanent lifespan as non-degradable.
- Cost effective.
- A recyclable product back to Resitech.

PACKING AND STORAGE:

- ‘Root Gard’ rolls are available singularly or in pallet quantities.
- Product is labelled with ‘Root Gard’ identification.
- Sizes available from:
 - 300mm - 1200mm width
 - 750um – 1200um thickness
 - 20m – 100m length

HEALTH AND SAFETY:

Safety Precautions:

- Avoid Excessive Heat
- Lift with care due to product weight as per specification sheet.
- Unroll with care as roll edges may be sharp.
- Refer to the Material Safety Data Sheet from Resitech for more details.



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TECHNICAL DATA:

PHYSICAL PROPERTIES			
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°C	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	%

DISCLAIMER:

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