



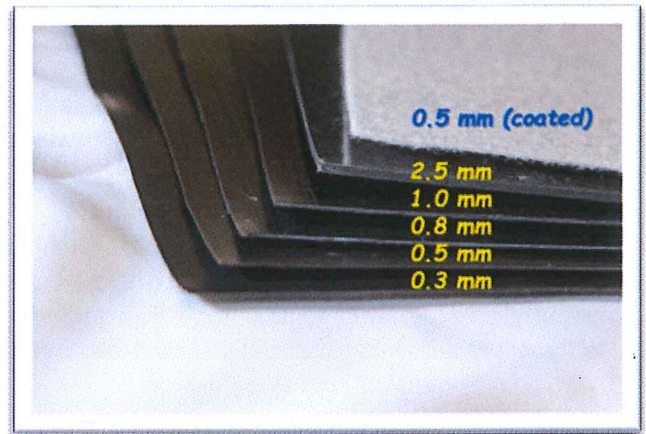
## Ronabond HDPE Geo Sheet

High Density Poly Ethylene Geotextile Sheet Waterproofing Membrane

### Description

Ronabond HDPE Geo sheet is a smooth or textured geotextile barrier manufactured from high grade polyethylene.

Available in a widths from 2m wide to 12m and thicknesses from 0.2mm to 3.0mm. Ronabond HDPE is suitable for lining and containment projects ranging from industrial and environmental protection to municipal landscaping and residential pond lining.



### Benefits

- ✘ Excellent tear strength
- ✘ Tough, durable and impermeable
- ✘ Economic
- ✘ Extensive size, thickness and colour options available
- ✘ Suitable for seam welding or adhesive tape
- ✘ Free from VOC's

### Uses

- ✘ Reservoirs
- ✘ Landfill Sites
- ✘ Foundations
- ✘ Landscaping

### Key Performance Indicators

- ✘ Elongation at break ~700 %
- ✘ Tensile strength ~27 MPa
- ✘ Tear strength ~125N/mm

## Specification Clause

The HDPE Geosynthetic Textile shall be Ronabond HDPE Geo Sheet by Ronacrete (Far East) Limited, tel. (852) 2865 5872. All materials to be applied strictly in accordance with manufacturer's instructions.

### Technical Data (at 25°C, lab conditions)

Tensile Strength	~27MPa	Density	0.94 g/cc
Tear Strength	~125N/mm	Roll width:	7m (2m - 12m avail.)
Puncture Strength	~320N/mm	Roll Length:	70m – 500m
Elongation at Break	~700%		(according to sheet thickness)

## Application (\*Please Refer to the Method Statement and MSDS)

### Preparation

Surfaces to receive Ronabond HDPE should be essentially flat and free from sharp edges. Subgrades containing angular rock, flint and other potentially damaging materials should be covered with a layer of Ronabond Geo Cushion.

### Installation

Rolls should be overlapped by at least 100mm.

Joints should be formed with the use of heavy duty double sided adhesive tape or by hot welding.

Trials should be carried out on small sections to ensure that the jointing system is effective and in particular that the heat welding does not puncture or damage the sheet.

### Protection

Ronabond HDPE Geo Sheet is UV resistant but for best results it should be covered with a protective layer as soon as practicable.

### Shelf Life and Storage

If Ronabond HDPE Geo Sheet is stored at temperatures between 10°C and 30°C and protected from UV light and mechanical damage then the shelf life is indefinite.

### Health and Safety

Ronabond HDPE Geo Sheet is low VOC and non-hazardous but the rolls can be large and very heavy. Use mechanical lifting equipment and never stand under, below or downslope from the roll.

### Technical Service and Support

Ronacrete provide free technical advice and support during design and installation of all systems for flooring, concrete repair, bonding, bedding and waterproofing. If you need any further information including method statement or additional technical data sheet, contact the Ronacrete Technical Department on (852) 2866 4365 or visit our web site [www.ronacrete.com.hk](http://www.ronacrete.com.hk).

### Guarantee

Ronacrete products are guaranteed fit for purpose and of merchantable quality.

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