

MONARFLEX® Blackline membranes

- flexible and easy to install



Four good reasons to choose MONARFLEX® Blackline geo-membranes:

- ldeal for small complicated jobs
- Flexible even at low temperatures
- Difficult to puncture
- Resistant to stress cracking
- Easy to handle and flexible to work with

MONARFLEX® Geo-membranes - the reliable choice



Technical data

Blackline 400				at yield	resistance	temperature
19 kg 37,5 kg	0,40 mm	7 MVm	MD 540% TD 610%	MD 8,9 N/mm² TD 7,8 N/mm²	140 N	< -30°C
Blackline 500						
51 kg 191 kg	0,50 mm	8,9 kWm	MD 540% TD 610%	MD 8,9 N/mm² TD 7.8 N/mm²	180 N	<-30°C
Blackline 750						
74 kg 282 kg	0,75 mm	13,2 kN/m	MD 540% TD 610%	MD 8,9 N/mm³ TD 7,8 N/mm³	270 N	< -30°C
Blackline 100	0					
96 kg 168 kg	1,00 mm	17,7 kN/m	MD 540%	MD 8,9 N/mm ¹	360 N	<-30°C
	37,5 kg 8lackline 500 51 kg 191 kg 8lackline 750 74 kg 282 kg 8lackline 100 96 kg	37,5 kg 0,40 mm Blackline 500 51 kg 0.50 mm 191 kg 0.50 mm Blackline 750 74 kg 0.75 mm 282 kg 0.75 mm Blackline 1000 96 kg 1.00 mm	37,5 kg 0,40 mm 7 kWm Slackline 500 51 kg 0,50 mm 8,9 kWm 191 kg 0,50 mm 13,2 kWm Z82 kg 0,75 mm 13,2 kWm Blackline 1000 96 kg 1,00 mm 17,7 kWm	37,5 kg 0,40 mm 7 kN/m TD 810% Stackline 500 51 kg 0,50 mm 8,9 kN/m TD 610% 191 kg 191 kg 0,50 mm 13,2 kN/m TD 610% 3tackline 750 74 kg 0,75 mm 13,2 kN/m TD 610% Blackline 1000 96 kg 188 kg 1,00 mm 17,7 kN/m MD 540%	37,5 kg 0,40 mm 7 kd/m TD 810% TD 7,8 N/mm² Stackline 500 51 kg 0,50 mm 8,9 kN/m TD 610% TD 7,8 N/mm² 191 kg 151 kg 10,50 mm 13,2 kN/m TD 610% TD 7,8 N/mm² Z82 kg 0,75 mm 13,2 kN/m TD 610% TD 7,8 N/mm² Blackline 1000 96 kg 1,00 mm 17,7 kN/m MD 540% MD 8,9 N/mm² 188 kg 1,00 mm 17,7 kN/m MD 540% MD 8,9 N/mm²	37,5 kg 0,40 mm 7 kN/m TD 610% TD 7,8 N/mm² 140 N Stackline 500 51 kg 0,50 mm 8,9 kN/m MD 540% MD 8,9 N/mm² 180 N 191 kg 0,50 mm 13,2 kN/m MD 540% MD 8,9 N/mm² 270 N 282 kg 0,75 mm 13,2 kN/m TD 610% TD 7,8 N/mm² 270 N Stackline 1000 96 kg 1,00 mm 17,7 kN/m MD 540% MD 8,9 N/mm² 360 N

Application

Geo-membranes are used in civil engineering works either for separation of different layers of material or for preventing fluids like water or chemicals in undermining the structure of the construction. Geo-membranes can be used for:

- separation layer for the structure of roads, bridges, tunnels, railways etc.
- protection of the ground water from percolation from landfills.
- environmental protection from chemicals from petrol stations and chemical industries.
- · sealing of fertilizer tanks.
- sealing of water reservoirs, ornamental lakes, waste water, lakes, rain water lagoons etc.

Features

MONARFLEX® Blackline membranes are composed by several layers of low density polyethylene (LDPE) ensuring a flexible and puncture resistant membrane. Polyethylene is very easy to work with and maintain its flexibility even at low temperatures. Their UV resistance is remarkable and they are resistant to a large number of chemicals.

Installation

MONARFLEX® Blackline membranes are produced and delivered in 4M wide rolls and can easily be welded together to larger sections. We recommend the Monartlex extrusion welding technique. Installation of geo-membranes must only be done by professionals. For more details, please contact us.



