



CE

TECHNICAL DATA SHEET



SNTDRAIN GEO 8/200 GEOCOMPOSITE DRAINAGE SHEET

* CE certification according to DIN EN 13252

GENERAL INFORMATION AND USAGE AREAS

SNTDRAIN GEO 8 is a geo-composite drainage sheet which has a high compressive strength and resistant against chemicals and plant roots. The PP geotextile layer is stucked to the HDPE dimpled sheet with special heat treatment.

SNTDRAIN GEO 8 is used for the two main reason. First of all it is used for the draining the water safely and continuously in vertical and horizontal applications by the help of geotextile layer. Secondly it is used in vertical applications for the protection of the under ground waterproofing system against damages caused by soil pressure, it is used for the horizontal applications for the distribution of the soil load equally and allows the reduction of the point load to the all area. The usage area of the SNTDRAIN GEO 8 are the tunnels, underground parking areas, retaining walls etc.

PHYSICAL AND TECHNICAL PROPERTIES

RAW MATERIAL (Dimpled Sheet+Geotextile)	HDPE (HIGH DENSITY POLYETHYLENE)+PP (POLIPROPLEN)
COLOUR	BLACK + GRAY
DIMPLE HEIGHT	APPROX . 8 MM
ROLL DIMENSIONS	2,00 mt ($\pm 0,05$ mt) x 20,00 mt ($\pm 0,2$ mt)
COMPRESSIVE STRENGTH	Approx 200 kN /m ²
WATER FLOW CAPACITY R/S , i:1 , 20kpa (GCO)	$2,48 \times 10^{-3}$ m ² /s ($-0,24 \times 10^{-3}$ m ² /s)
WATER PERMEABILITY V_{H50} (GTX)	80×10^{-3} m/s (-15×10^{-3} m/s)
DYNAMIC PERFORATION RESISTANCE (GTX)	33 mm (+5mm)
TENSILE STRENGTH (GCO)	MD 11 kN/m (-2kN) ; CMD 9 kN/m (-2kN)
SERVICE TEMPERATURE RANGE	-30, +80 °C
RESISTANCE TO WEATHERING	To be covered with in two weeks after installation.
DURABILITY	Predicted to be durable for 25 years in natural soils with 4 <pH<9 and soil temperatures <25°C
OTHER PROPERTIES	Resistant to the chemicals and plant roots.Not harmful to the drinking water.Resistant to the acid, alkali, oil and solvents.

STORAGE INFORMATION

SNTDRAIN GEO 8 is stored in dry and cool place, in original packaging and protect from UV rays. Rolls must be transported, stored in up right positions. Pallets should not be placed on top of each other and it should be stored away from direct heat sources. It should be covered after laying.