



## TECHNICAL DATA SHEET

### SNTDRAIN EKL 500 HDPE DIMPLED SHEET

\* CE certification according to DIN EN 13967

#### GENERAL INFORMATION AND USAGE AREAS

SNTDRAIN EKL500 is a board which has a bubbly structure made from high-density polyethylene, high compressive strength, and resistant against chemicals and plant roots. SNTDRAIN EKL500 bubbly structure creates an air gap between the wall and the soil.

SNTDRAIN EKL500 is used for the draining of ground water and protection of the underground waterproofing system against damages caused by soil pressure. SNTDRAIN EKL500 is used as a moisture barrier for the concrete. Alternatively SNTDRAIN EKL500 is laid on the soil in order to obtain a clean surface on the base in stead of lean concrete. Waters approaching the walls is drained quickly. In the tunnels SNTDRAIN EKL500 enables the transmission of intense water to the drainage channels.

#### PHYSICAL AND TECHNICAL PROPERTIES

<b>RAW MATERIAL</b>	HDPE (HIGH DENSITY POLYETHYLENE)
<b>COLOUR</b>	BLACK
<b>DIMPLE HEIGHT</b>	8 MM
<b>AREA WEIGHT</b>	500 GR/M2 ( ±5%)
<b>THICKNESS</b>	Minimum 0,40 mm
<b>ROLL LENGHT</b>	10 mt ; 20 mt ; 30 mt
<b>ROLL WIDTH</b>	0,50 mt ; 1,00 mt ; 1,50 mt ; 2,00 mt
<b>REACTION TO FIRE</b>	CLASS F
<b>RESISTANCE TO WATER PENETRATION</b>	W1 ( Waterproof)
<b>COMPRESSIVE STRENGTH</b>	175 kN/m2 ( ±20%)
<b>ELOGNATION</b>	MD ≥ %25 ; CMD ≥ %15
<b>TENSILE STRENGTH</b>	MD ≥ 180 N/50mm ; CMD ≥ 120N/50mm
<b>SERVICE TEMPERATURE RANGE</b>	-30, +80 °C
<b>OTHER PROPERTIES</b>	Resistant to the chemicals and plant roots. Not harmful to the drinking water. Resistant to the acid, alkali, oil and solvents. No deterioration under soil.

#### STORAGE INFORMATION

Dry and cool place , in original packaging, protect from UV radiation.  
Rolls must be transported upright and stowed.  
Pallets should not be placed on top and it should be stored away from direct heat sources.