

# GXP® DREN 1200 DUO

## NEW INSULATION AND DRAINAGE MEMBRANE

### APPLICATIONS AND ADVANTAGES:

#### APPLICATIONS

GXP® Dren 1200 Duo is a waterproof membrane extruded from high density polyethylene (HDPE), 1,2 mm thick, thermally joined with polyethylene geotextile made from continuous fibres 140 g/m<sup>2</sup> on the top side and polypropylene or polyester geotextile 250 gm<sup>2</sup> on the bottom side.

#### Used as:

an insulation and drainage layer for retaining and foundation walls, bridge abutments, waste dumps, ash collection tanks, floor slabs, tunnels, draining channels, green roofs,

a separation and drainage shield in road, railway and airport foundation constructions,

An increased friction angle between the base and the geocomposite prevents skidding of the geocomposite from slopes under the pressure of the ground.

#### ADVANTAGES

- ▶ a layer protecting against mechanical damage of insulation layers
- ▶ a draining layer for high loads
- ▶ an anti-root layer
- ▶ a sealing and degassing layer for:
  - rubbish dumps
  - waste collection sites
  - industrial tanks



#### TECHNICAL DATA

|   |                        |
|---|------------------------|
| Geocomposite weight                     | 1500 g/m <sup>2</sup>  |
| Compression strength                    | 1500 kN/m <sup>2</sup> |
| Embossing height                        | 8 mm                   |
| HDPE membrane thickness                 | 1200 µm                |
| HDPE membrane surface mass              | 1500 g/m <sup>2</sup>  |
| Air volume between textile and membrane | 5,30 l/m <sup>2</sup>  |
| Drainage capacity                       | 2,10 l/s/m             |
| Width                                   | 4 x 10 m*<br>4 x 20 m* |
| Temperature resistance                  | -40 to +80°C           |

\* other sizes on request

#### CHEMICAL RESISTANCE

It is resistant to chemical substances, fungi, roots and bacteria present in the ground. It is completely neutral to the natural environment.

