



PRODUCT N ° . : 3.128

TECMADREN

Draining sheet for protection of underground concrete

DESCRIPTION:

TECMADREN is a 0.6 mm thick (approx.) high density polyethylene sheet, made of nodules, with a very high draining capacity.

FIELD OF APPLICATION:

TECMADREN is especially recommended as a draining and protection coat for waterproofing underground works, such as underground walls, tunnels and floors. It also acts as barrier against ascending dampness due to the contact with damp soil.

ADVANTAGES:

- High draining capacity: its structure made of nodules creates an air chamber between soil and walls, thus forming ventilation channels through which air and water can circulate.
- Improves thermal isolation: as a consequence of the air chamber between **TECMADREN** and the walls.
- Protection of the waterproofing against stresses due to soil pressure, impacts and aggregates edges, due to its high compressive and tensile strength.
- Acts as barrier against soil dampness.
- Easy application: it's enough to unroll and fix mechanically.
- It does not get rotten and is resistant to roots.

TECHNICAL CHARACTERISTICS

Draining capacity (approx.)	5 L/s.m
Elongation prior to rupture (approx.)	30 %
Tensile strength (approx.)	500 N/ 60 mm
Compressive strength according to UNE-EN-ISO 604 (approx.)	>100 kN/m ²
Water absorption according to DIN 53495 (approx.)	1 mg / 4 d
Temperature resistance (approx.)	- 30 a 80 °C
Elasticity module according to ISO 178 (approx.)	1.500 N/mm ²
Number of nodules	1.587 nódulos/m ²

METHOD OF USE:

1. Spread the roll with the nodules against the support to be protected. Keep on with the second roll overlapping the nodules. The overlap will be about 10 – 12 cm horizontally and 20 cm vertically.
2. Fix the upper part every 25 cm with the **metal frame**.
3. The **TECMADREN fixings** contain the snail and the button to refill the nodule thus preventing the tearing of the snail fixing; use to fixings every m² over the whole surface.
4. Self bonding fixings prepared to bond to the support and fix **TECMADREN**. Includes a finish protection.

PACKAGING AND STORAGE:

Green rolls; 2,00 x 18,00 m

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