



teracan[®] waterproof, flexible, visible drainage channel

Our solutions
on engineering
structures



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Our specifications

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ready-to-use flexible geosynthetic drainage channel

teracan[®] is used

- in drainage channels on the domes of refuse landfills,
- in all ditches or drainage channels where a complex solution is not essential or where access is difficult.

Advantages

- **teracan[®]** is light and flexible, and is not damaged by differential settlement. It withstands deformation without releasing runoff waters or leachates,
- **teracan[®]** is rugged thanks to the incorporated reinforcing geogrid, and it is cleaned at the base with a shovel,
- **teracan[®]** is visible, it requires no earth covering,
- **teracan[®]** is easy and quick to install with light equipment, allowing operating sites to be managed on a time and material basis.

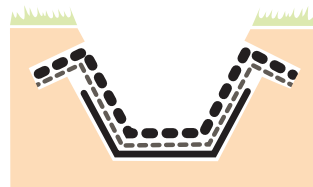
Detailed description

teracan[®] consists of a 1 mm polyethylene waterproofing sheet reinforced by a 20 kN/m grid.

teracan[®] is protected from puncturing by a 600 g/m² black, anti-UV, needle-punched nonwoven sheet.

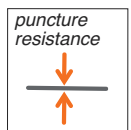
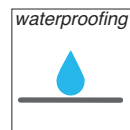
The CBR static puncture resistance is 8 kN, dynamic perforation 0 mm, and tensile strength 50 kN/m. The mass per unit area is 1500 g/m².

The edges of the roll intended for anchoring are not waterproof, in order to allow filtering of the soil without laying bare the anchors.



Installation technique

- plan a layout drawing to limit cutting out,
- prepare a flat, graded, compacted base, with no projecting elements,
- provide for small trenches or anchoring lugs to bury the roll edges at the top of the ditch,
- unroll **teracan[®]** on the ground with a shaft passed through the reel, or by hand, or suspend it from a lifting beam,



- cut out **teracan[®]** with a disc cutter, wearing a mask,
- join the strips together by thermal bonding with hot air using a simple hot air gun or hot gas gun,
- bonding by melting of the waterproof sheet is possible,
- please contact **teragéos** for any advice or assistance.

Packaging

teracan[®] is available in rolls 2 m wide x 50 m, 3 m x 50 m, or 4 m x 50 m.

