



teraline® HDPE

**Our solutions
on engineering
structures**



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coverings,
storage
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Our specifications



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heat-sealable HDPE geomembrane for waterproofing of hydraulic structures and environmental protection,

**1.5 to 2 mm thick, uniform,
black-coloured**

teraline® HDPE is used

- in household and industrial waste storage centres,
- in chemical product retention basins,
- on composting platforms,
- for protection of road groundwater.

Advantages

● **teraline® HDPE** is a thermoplastic geomembrane, i.e. heat-sealable by hot air gun, which makes it possible to execute strong joints by material melting, for sealed joints, by welding robot and by manual extruder,

● thermal bonding with a compressed-air control channel allows exhaustive verification of welding lengths, a unique process for obtaining this result, supplemented by the vacuum chamber bell jar test on singular points,

● **teraline® HDPE** is chemically resistant,

● **teraline® HDPE** is available in large widths,

● its UV resistance allows exposed use.

Detailed description

teraline® HDPE 2 mm thick is a heat-sealable geomembrane liner in black-coloured high-density polyethylene, UV stabilized by carbon black, of ultimate tensile strength 19 MPa at the flow level corresponding to an 11.5% elongation.

waterproofing



Installation technique

● make use of a specialist team having qualifications and certifications on this product,

● at the reservoir design stage, provide for simple forms of earthworks, and concrete structures designed to enhance the reliability of the geomembrane joints (our procedure D226),

● provide for protection of the final geomembrane by covering with the **teracro® system**,

● plan a layout drawing to limit cutting out,

● provide for access for the installation team,

● prepare a flat, graded, compacted base, with no projecting elements,

● unroll the product on the ground with a shaft passed through the reel, or by hand, or

suspend it from a lifting beam,

● the strips are bonded together by hot air gun,

● cut out the **teraline® HDPE** using a cutter, wearing gloves.



Packaging

● **teraline® HDPE** can be delivered in rolls 5 to 10 m wide fully assembled on site by our personnel with a certificate of ten-year responsibility for the product supplied and installed.



teraline® PVC

**Our solutions
on engineering
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Our specifications

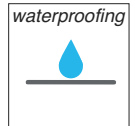


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heat-sealable geomembrane in plasticized PVC for waterproofing of hydraulic structures,

**1 to 2 mm thick, reinforced with a polyester grid or
homogeneous, of light grey colour and having a health
compliance certificate (non-toxic for food).**



teraline® PVC is used in

- rainwater retention basins, open-air or underground,
- firefighting water storage ponds,
- reservoirs, channels and irrigation levees,
- domestic sewage sand filters,
- ornamental ponds,
- potable water reserves.

Advantages

- **teraline® PVC** is a thermo-plastic geomembrane, i.e. heat-sealable by hot air gun, which makes it possible to execute strong joints by material melting, for sealed joints, by welding robot and by manual gun,
- thermal bonding with a compressed-air control channel allows exhaustive verification of welding lengths, a unique process for obtaining this result, supplemented by the vacuum chamber bell jar test on singular points,
- **teraline® PVC** is flexible and adapts to the substrate,
- **teraline® PVC** can be prefabricated as tarpaulins,
- its UV resistance allows exposed use.

Detailed description

teraline® PVC 15/10th is a flexible, heat-sealable geomembrane liner in plasticized PVC of light grey colour, UV stabilized by titanium oxide, having a health compliance certificate, of ultimate tensile strength 16MPa, with 300% elongation at break.



compressed-air weld inspection

Installation technique

- make use of a specialist team having qualifications and certifications on this product,
- at the reservoir design stage, provide for simple forms of earthworks, and concrete structures designed to enhance the reliability of the geomembrane joints (our procedure D226),
- provide for protection of the final geomembrane by covering with the **teracro® system**,
- plan a layout drawing to limit cutting out,
- provide for access for the installation team.
- prepare a flat, graded, compacted base, with no projecting elements.
- unroll the product on the ground with a shaft passed through the reel, or by hand, or suspend it from a lifting beam,
- the strips are bonded together by hot air gun,
- cut out **teraline® PVC** using a cutter, wearing gloves.

Packaging

● **teraline® PVC** can be delivered in rolls 2 to 10 m wide fully assembled on site by our personnel with a certificate of ten-year responsibility for the product supplied and installed.

