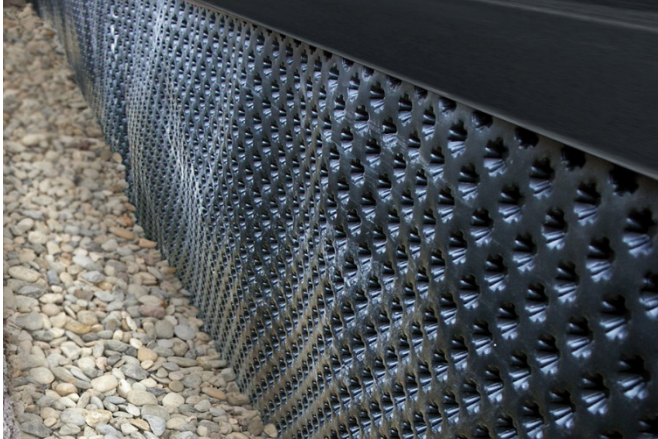


HDPE DIMPLED MEMBRANES FOR PROTECTION AND DRAINAGE OF UNDERGROUND WALLS



When it comes to protecting a building's foundations, dimpled membrane offers several advantages: It provides superior pressure stability under a wide variety of conditions, protects the foundation walls' sealing, and keeps the building dry.

The 1860 star-shaped dimples and an air volume of approximately 5 L/m² ensure efficient protection of the waterproofing layer and proper ventilation between the wall and the soil.

APPLICATIONS

- Foundation wall protection in case of sealing with bituminous paints or sealing compounds
- In case of ground with a proper drainage
- Blinding layers
- Composition floor underlay

PROPERTIES

- High compressive strength
- Tear-proof and root-resistant
- Impact resistant, elastic
- Toxicologically harmless
- Drinking water neutral and chemical resistant
- Abrasion resistant, rot-free
- Highly resistant to fungal and bacterial attacks.

ULTIMATE PRESSURE RESILIENCE

It pays in the long run to decide in favour of dimpled membranes with high-grade material properties. It is often the less obvious details which are crucial for the proper function, for instance a strongly enhanced pressure resilience. A special star-shaped design of the dimples enhances resilience and stability even more, resulting in the forces being better absorbed and the mechanical durability being increased.



TECHNICAL DATA

Material	High-density polyethylene (HDPE)
Colour	Black
Material/Wall thickness	Approx. 0.4mm
Certified mechanical resistance	320 KN/m ² (32 t/m ²)
Weight	0.4 Kg/m ²
Dimple height	Approx. 7mm
Number of dimples	Approx. 1865 pcs/m ²
Air volume between dimples	Approx. 5 l/m ²
Drainage capacity	4.6 l/s/m
Thermal stability	From -40°C to +80°C protect from UV rays
Combustion class	F-DM 15/03/05
Dimensional tolerances	±4%

LAYING INSTRUCTIONS

Laying for the protection of foundation walls

- Unroll the dimpled membrane with the dimples facing the wall, already waterproofed, making sure you overlap adjacent rolls longitudinally by about 20cm. For greater protection, join the edges of the two rolls using waterproof bituminous strips.
- Fix MSTAR profile to the edge and nail it down using the JNH 40 plugs or steel nails.
- Then fix the membrane using fixing buttons or steel nails.
- Once the fixing operation is done, fill in with the soil.
- Prior to the fixing, make sure it is compatible with the waterproofing system of the wall.

Laying as an alternative to the concrete layer for foundations and/or barrier to capillary rising of the humidity.

- After compacting the soil, place a layer of geotextile fabric over it, making sure the edges overlap by about 20cm.
- After unrolling MSTAR DRAIN, position WZ electro-welded net, supporting it with the special spacers.
- Cast the concrete slab.

The flooring will be protected against rising humidity, and MSTAR DRAIN star will contribute to making the structure more stable.

PACKING

2m x 20m

Also Available in 1m, 1.5m, 2.5m, 3m, 4m wide rolls

DISCLAIMER

The information, and, in particular, the recommendations how to use and apply the product, are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with manufacturer's recommendations. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values. The user of the product must test the product's suitability for the intended application and purpose. MERZ does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of MERZ. MERZ does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

M STAR DRAIN

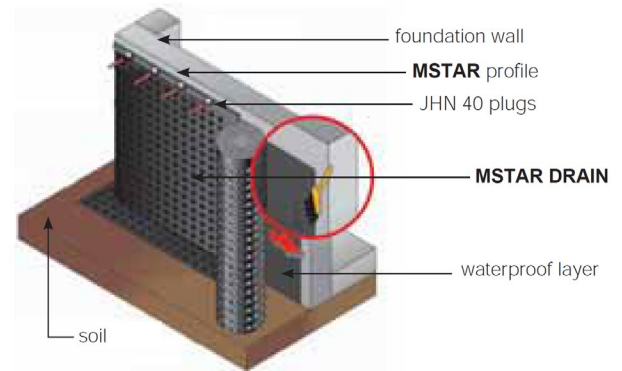


Fig. 1 Vertical laying

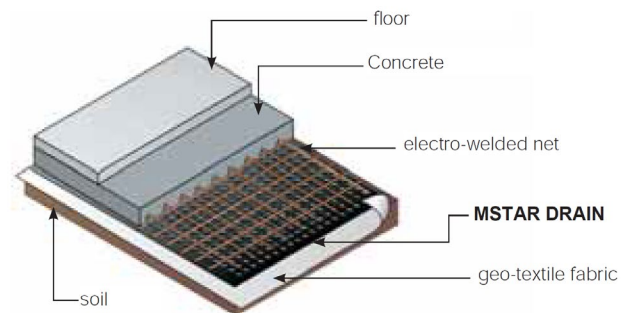


Fig. 2 Horizontal laying

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