

# MERZ DRAIN V

## HDPE dimpled membranes with filter fabric for drainage of underground walls and roof gardens

**MERZ Drain V** is the protective membrane par excellence in all construction sites where the technical component is important in terms of drainage capacity and mechanical strength.

### APPLICATIONS

- Foundation wall protection in case of sealing with bituminous paints or sealing compounds
- Ideal for the protection of the foundations
- For drainage systems on water-impermeable floors or slopes
- Suitable for perimeter insulation

### PROPERTIES

- Highly pressure resistant
- Guarantees the maintenance of high draining capacity
- Excellent mechanical resistance.
- Dimpled sheet channels remain unclogged
- Highly tear- and root-resistant
- Drinking water-neutral and chemical resistant

### Versatility, from perimeter insulation to roof greening

The special design of dimpled sheeting with fleece ensures that the dimple remains free of dirt and mud at all times.

The dimpled membrane thus ensures effective drainage at all time, guaranteeing long-term, reliable drainage for your home

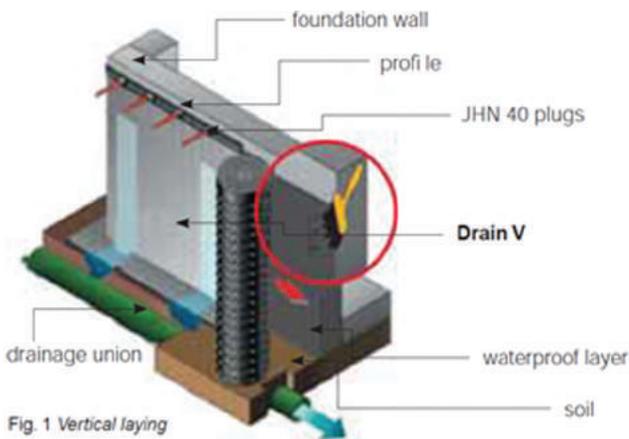


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MERZ Drain V consists of a layer of geo-textile fabric in polypropylene and a dimpled membrane of special high-density polyethylene (HDPE). Thanks to special orthogonal discharge channels, it ensures excellent drainage by forming a chamber that always stays empty, thus allowing higher volumes of drained water compared to traditional dimpled membranes.

The geotextile ensures greater efficiency of the drainage system in time as it prevents the gap from clogging up with the finer soil particles.

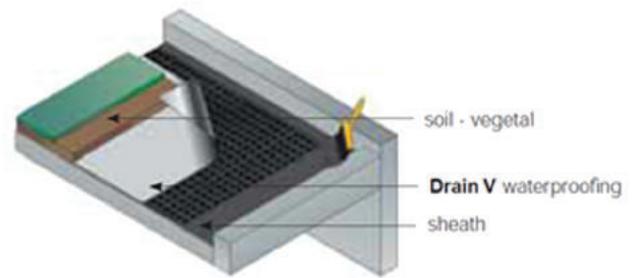
## LAYING INSTRUCTIONS



### Laying for the protection of foundation walls

Laying dimpled sheet is simple. When doing so, it is important to ensure that the dimples are facing the wall. The dimpled membrane is laid with its fleece facing with the soil. Vertical laying is also possible. When laying a new strip, make sure that strips overlap by at least 10-20cm. Pipe outlets or window openings, for example, can be cut out with a hooked blade. Depending on the substrate, you can easily fasten the dimpled sheeting with assembly dowels from Gutta. Finally, you should use the cover profile. To ensure optimal air circulation, mount the cover profile at a distance of 10 mm from the top of the dimpled sheeting.

Form a suitable water collection and drainage tube at the foot of the foundation, then fill it in with the soil.



### Laying for dry roof gardens

Unroll MERZ Drain V on top of the waterproofing layer, overlapping the rolls by at least 20 cm. To make the overlapping edges stick better to each other, apply the bituminous strips. Turn up MERZ Drain V by about 20 cm along the side walls.

Position the finishing layer of soil or gravel.

### PACKING

2m x 20m

### TECHNICAL DATA

<b>Material</b>	High-density polyethylene (HDPE)
<b>Colour</b>	Black
<b>Material/Wall thickness</b>	Approx. 0.6mm
<b>Dimple Height</b>	Approx. 8mm
<b>Total Weight</b>	Approx. 610 g/m <sup>2</sup>
<b>No of dimples</b>	1860 pcs/m <sup>2</sup>
<b>Resistance to compression</b>	230 KN/m <sup>2</sup> (23 t/m <sup>2</sup> )
<b>Fleece permeability</b>	Approx. 110 l/m <sup>2</sup> /s
<b>Air volume between dimples</b>	Approx. 5.5 l/m <sup>2</sup>
<b>Drainage capacity</b>	4.6 l/s/m
<b>Thermal stability</b>	From -40°C to +80°C protect from UV rays
<b>Combustion class</b>	F-DM 15/03/05
<b>Dimensional tolerances</b>	±4%