



Delta MS20P



Dimpled drainage system

Delta MS20P is a perforated dimple sheeting with high drainage capacity for horizontal use on roof slabs, under floor slabs and for roof landscaping. The porosity makes the dimpled sheeting pervious over the whole area providing uniform drainage of water.

Fields of application

Delta MS20P dimple sheeting protects the structural parts of buildings which could come into contact with soil and earth. The dimpled sheets are perfect for preventing the build up of water due to hydrostatic pressure.

- Extensive or intensive rooftop gardens
- Under floor slabs

Features

- Pressure-resistant and durable
- High drainage capacity for garden roofs
- Fast and economical installation
- 7 l/m² water retention capacity
- Long life expectancy
- Root resistant
- Harmless to drinking water

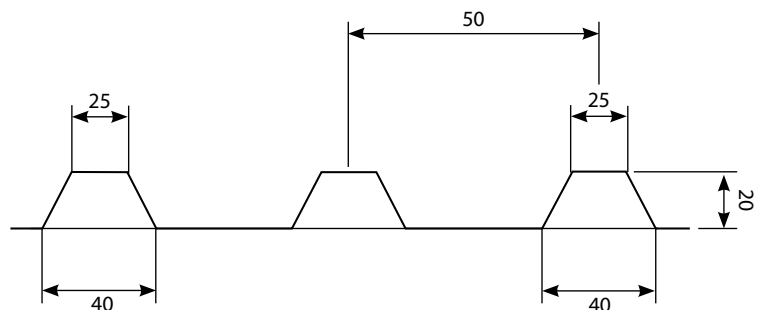
Safety

- No special precautions required

Technical data

Physical properties	Value
Flammability	Normal, class B2 as per DIN 4102
Material	High Density Polyethylene
Dimple Height	approx. 20 mm
Compressive Strength	200 kN/m ²
Drainage Capacity	10 l/s • m
Water Retention Capacity	7 l/m ²
Drainage Rate Through Perforations	1,23 l/m ² • s
Volume of Air Between Dimples	14 l/m ²
Temperature Resistance	-30°C to +80°C
Roll Dimensions	2 x 20 m
Chemical Properties	Resistant to chemicals and degradation in soil, safe for drinking water.
CE Conformability	CE-tested as per DIN EN 13252

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.



continued overleaf...

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Notes and Limitations

Do not install in adverse weather conditions, high winds may hamper application.

- Underlying roof components shall be installed tested and approved according to manufacturers guidelines.
- Ensure the roof structure is approved to support the water-saturated weight of the garden roof.
- Maximum exposure to UV 30 days. Delta MS20P should be covered as soon as possible.

Drainage Lengths

Because of its disproportionately high drainage capacity, Delta MS20P is suitable for great drainage lengths and, by the same token, for roofs with an unusually low gradient.

Possible Drainage Lengths		
Gradient	Drainage capacity	Maximum drainage lengths
1%	0,86 l/sm	40m
2%	1,2 l/sm	55m
3%	1,5 l/sm	70m

Installation

- The sealed surface must be thoroughly cleaned, so that after installation of the drainage layer no damage can occur to the waterproofing. The waterproofing must be root resistant or protected by a root barrier. A protective separating layer is laid on the waterproofing.
- The dimple sheeting is simply rolled out on the underlayer. Dimples facing the surface and cups facing up. The sheeting can be cut with a blade.
- To extend a sheet, lay two rows of dimples together.
- Install the sheets step by step

Inspection and Clean-up

- Ensure drains are free-flowing and clear of obstructions and debris.
- Remove any remaining construction waste.
- Inspect the installation to ensure all components are installed according to manufacturers' recommendations.

Version 001-201204

Disclaimer: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subject to change without prior notice.

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