

# OPTIGRÜN PERL 8/16 BS

## Drainage Material

Optigrün Drainage Material Perl 8/16 BS is used as drainage layer beneath intensive green roofs, for pressure-stable filling of plastic drainage boards and as lightweight drainage and levelling course beneath paving.



<b>Material</b>	Expanded shale
<b>Grading</b>	8-16 mm
<b>Weight when saturated</b>	approx. 890 kg/m <sup>3</sup>
<b>Weight dry</b>	approx. 730 kg/m <sup>3</sup>
<b>Max. water capacity</b>	16 Vol%
<b>pH value</b>	7.4 - 8.5
<b>Salt content</b>	< 1.0 g/l
<b>Water permeability</b>	> 420 mm/min
<b>Total pore volume</b>	73 Vol%
<b>Compaction factor</b>	1.15
<b>Compression at 500 kN/m<sup>2</sup></b>	5 %
<b>Grain strength according to DIN 4262</b>	6.12 N/mm <sup>2</sup>
<b>Frost resistant according to DIN 4226</b>	yes
<b>Delivery form</b>	- loose bulk on an open truck - blown into silo truck - in big bags on an open truck - In sacks on euro pallets by forwarding agent
<b>Quantity/delivered unit</b>	according to size of order

### Area of use

- As a drainage layer beneath intensive green roofs without water accumulation
- For pressure-stable filling of plastic drainage boards
- As a lightweight drainage and levelling course under paving

### Specific properties

Fulfills the requirements of the FLL Green Roofing Guideline.

The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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