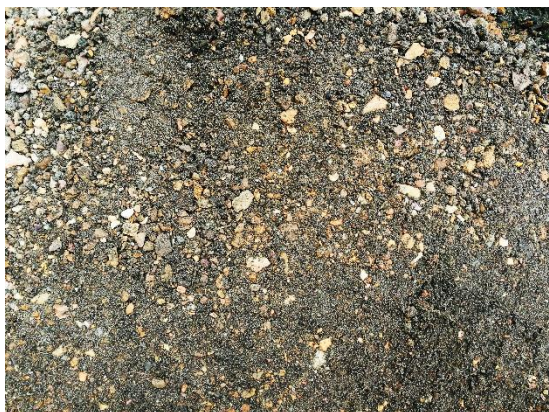


TDS intensive substrate

Part no.: 9101



Application area

TDS is a lightweight substrate rich in minerals ideal for quick plant establishment. TDS ensures good thermal and water retention properties in the long run. Proper pH value, balanced nutrient content and soil conditioner are vital properties present in all our engineered green roof growing media range that we offer. It is such engineered properties that enhance the growth and development of the vegetation on our intensive and semi-intensive living roofs.

Benefits

- ☑ lightweight
- ☑ excellent water permeability and water retention properties
- ☑ excellent ventilation properties for the root balls of the vegetation
- ☑ forms a stable layer that does not collapse in the long run
- ☑ complies with the FLL Green Roof Guidelines - Guidelines for the Planning, Construction and Maintenance of Green Roofs

Technical data

Weight / saturated with water	~ 1250 kg/m ³ / max. 1600 kg/m ³
Particle size	max. 16 mm
Water permeability	min. 0.0005 cm/s (0.3 mm/min.)
Water retaining capacity / Max. water capacity	25 Vol% < VK _{max} < 65 Vol%
Dredgingable part (d < 0.063 mm)	max. 20 Weight%
Air content (Besides max. water capacity)	min. 10 Vol%
pH value	7-8
Organic material content	max. 90 g/l
Salt soluble in water	max. 2.5 g/l

Specification suggestion

ArchiGreen® TDS is a lightweight substrate comprising nutrient uptake additives and soil conditioner to ensure optimal functionality of intensive green roofs in the long run. Volume weight in case of WS_{max} approx. 1500 kg/m³; water storage capacity 25 vol. % < WS_{max} < 65% vol. %; air content: > 25 vol. %; pH value: 7 - 8; water permeability: 0.0005 cm/s; water soluble minerals: < 2.5 g/l; delivery can be arranged in loose bulk or in 1 m³ big bags; suggested compaction rate during installation: 20% - 25%.

Installation example

