

Product sheet	Date of issue: 01-01-2016	Tree sand
Fields of application		Landscaping



Tree sand

Tree sand is a substrate composed of a component organic matter, like raised bog peat, fen peat or compost and sand. Tree sand is applied under paved surfaces. Tree sand has to be set up in layers of maximum 30 cm, that are compacted to maximum 1,5 - 2,0 MPa.

RAG process requirements for tree sand

RAG site

The properties of the site may not harm the purity and quality of the product. A number of process requirements have been drawn up for the RAG site, that prevent the matters below:

- Contamination through germinative weeds (zero tolerance)
- Mixing of products through tyres, loading shovels and other vehicles
- Contamination or mixing of the RAG product from surrounding areas
- Contamination due to a non clean storage site
- Mixing or contamination from or through the underground or surrounding materials

Transport

Transport must occur in such a way, that the purity and quality of the product remain within the general and specific product requirements. Previous to loading, the cargo space must be inspected if it is sufficiently clean. At each transport it must also demonstrably be known what the previous load of the vehicle was.

RAG quality mark

Only companies that have joined Stichting RHP can supply tree sand with the RAG quality mark. You can recognise the RAG certified tree soil on the RAG-logo on the invoice and/or delivery receipt. The RAG certificate gives quality guarantees of the substrate delivered.



Certified for
Landscaping

RHP Certification

Since 1963 RHP has been the European knowledge center for growing media for the professional horticulture and the consumer. For the professional tree nursery, gardener and public green spaces, RHP offers stable substrates, soil supply and soil improvers with guarantee on an optimal nutrient medium. An important activity of RHP is the development and management of quality Marks that are related to these substrates.

The quality mark RAG Landscaping is directed to maintainers of public green spaces and gardeners. Tree sand, tree granules, tree soil, and garden soil for gardeners are products that can be RAG Landscaping certified. The quality mark is granted to producers, traders and importers of raw materials and substrates if strict requirements are demonstrably complied with. This unique quality assurance system is applied in the whole chain, which results in excluding risk factors at an early stage.

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RAG product specific requirements Tree sand

General requirements

Tree sand must comply with the environmental hygienic requirements for raw materials and substrates with an organic matter content less than 10% (Besluit Bodemkwaliteit). Companies that have been certified for RAG Landscaping, supply their product with a BRL 9335-4 certificate for composed soil products. With this it is proved that the analysis results comply with the background values in enclosure B of the Regeling Bodemkwaliteit.

Chemical requirements tree sand

EC, pH and other analyses		
Analyses	Method	Standards
EC (mS/m)	EN 13038	≤ 60
pH-KCl	EN 10390	5,0 - 7,5
Calcium carbonate (CaCO ₃)	NEN-ISO 10693	At pH ≤ 6 = CaCO ₃ < 0,5 (weight percents) At pH > 6 = CaCO ₃ < 2 (weight percents)
Cl (mg/l substrate)	EN 13652	≤ 210

Assessment nutrient elements				
Assessment	Phosphate (P-Al)	Potassium (CAT)	Magnesium (CAT)	Nitrogen N-total
Method	EN 1189	EN 13651	EN 13651	EN 13654
	mg / 100g d.m.	mg / litre substrate	mg / litre substrate	mg/kg dry matter
Low	< 30	< 120	< 120	< 80
Good	30 - 60	120 - 300	120 - 360	80 - 160
High	> 60	300 - 475	> 360	> 160

Physical requirements tree sand

Analyses	Method	Standards	
Dry matter content	NEN-EN 13040	≥ 80 % (weight percents)	
Stability	NEN-EN 16087-1: 2011	< 5 mmol O ₂ / kg o.s. per hour	
Granular and organic matter classification			
Granular classification	Method	< 400	> 400
Coarseness (M50)	NEN 5753	< 400	> 400
Uniformity coefficient (D60/D10)	NEN 5753	< 2,5	< 3
Organic matter	EN 13039	4 - 5 %	4 - 5,5 %
Lutum	NEN 5753	0,5 - 4 % *	0,5 - 4 % *

* Te % Lutum plus % organic matter in the tree sand amounts 5 - 8 % weight percents

Phytosanitary requirements tree sand

Weeds		
Type of weeds	Method	Standards
Weeds score	RHP	< 50 per m ²