

PRODUCT SHEET JUNGLE MIX

TECHNICAL SPECS

JUNGLE MIX
LIGHTWEIGHT SUBSTRATE
v2.0 - JUNE 2023



THE
URBAN
JUNGLE
PROJECT

SUBSTRATE COMPOSITION

POWERED BY  Kekkilä
BVB

Chemical properties

• pH acidity (H ₂ O)	: 5,0 - 6,5	NEN-EN 13037
• EC (electrical conductivity)	: 0,3 - 1,5 mS/cm	NEN-EN 13038
• Chloride content	: < 200 mg/l	NEN-EN 13652

Stock Nutrients

• Nitrogen (N)	: ≈ 54 mg/100grDS	NEN-EN 13654-2
• Phosphate (P ₂ O ₅)	: ≈ 16 mg/100grDS	NEN 5793
• Potassium (K ₂ O)	: ≈ 28 mg/100grDS	K-HCl
• Magnesium (MgO)	: ≈ 336 mg / kg DS	Mg-NaCl

Physical properties

• Moisture content	: < 20 % (m/m)	NEN-EN 15935
• Organic matter content	: ≈ 7,8 %-DS	NEN 15935
• Dry weight	: ≈ 250 kg/m ³	FLL Method
• Saturated weight at pF 1.5	: ≈ 650 kg/m ³	NEN-EN 13041
• Water permeability	: > 25 mm / min	FLL Method
• Water retention at pF 1.5 (-32 cm)	: ≈ 38,4 %-(v/v)	NEN-EN 13041
• Water retention at pF 2.0 (-100 cm)	: ≈ 33,5 %-(v/v)	NEN-EN 13041
• Air content at pF 1.5 (-32 cm)	: ≈ 49,9 %-(v/v)	NEN-EN 13041
• Air content at pF 2.0 (-100 cm)	: ≈ 54,8 %-(v/v)	NEN-EN 13041
• Water absorption after 10 minutes	: ≈ 38 %-(v/v)	WOK-methode RHP
• Water absorption after 1 hour	: ≈ 40 %-(v/v)	WOK-methode RHP
• Water absorption after 6 hours	: ≈ 43 %-(v/v)	WOK-methode RHP
• Water absorption after 24 hours	: ≈ 43 %-(v/v)	WOK-methode RHP
• Shrinkage	: < 10 %-(v/v)	

Biological properties

• Respiration rate	: < 12 mmol O ₂ /kg OS/hour	NEN-EN 16087-1
• ECI (Environmental cost indicator)	: < € 10,00 per m ³	

Other remarks

- pH (H₂O) and EC were determined in a 1:2 ratio
- Virtually free from residual weeds and irregularities such as debris, asphalt, wood, plastics, iron, glass, etc.
- Supplied with BRL9341 certificate, clean and non-shaped building material according to regulations
- Developed in close collaboration with and supplied by Kekkilä BVB Substrates, www.bvb-landscaping.nl