

# Product overview



## Vulka Kubo mineral 0-12

Mineral outdoor potted plant substrate

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## Vulka Kubo organic 0-12

Mineral-organic outdoor potted plant substrate.

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## Vulka Kubo 0-4 and 0-8

Fine-grained, mineral and organic potted plant substrate.

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## Vulkaflor®

Fine-grained potted plants substrate consisting of lava, pumice and zeolite.

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## Cactus soil

Mineral or mineral-organic soil for succulent plants.

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Roof



Lawn



Tree



Farm



Tub



Interior



Pond



Building



0-12

**Mineralisches Outdoor-Kübelpflanzensubstrat:**

- Lava, pumice and sand as base components
- For systems with water storage and free drainage
- Offers stability for high growing plants due to the effective interlocking of the components
- No layer thickness restrictions
- Suitable for permanent plantings
- Not fertilized, but can be blended with fertilizer on request
- Delivery in sacks, big bags, as bulk or per silo truck

## Vulka Kubo mineral 0-12

**Grain size**  
(ø in mm)

0-12

**Particle size distribution**  
(percentage of total mass in %)  
Blowable components 1-15  
Fine/medium gravel 30-60

**Volume weight**  
(t/m<sup>3</sup>)  
Delivery condition DIN EN 1097-3 0.90-1.00  
At max. water capacity, compacted 1.35-1.60  
Runoff curve number C

**Water/air balance, compacted**  
Maximum water capacity 20-35 vol.%  
Water permeability mod. K<sub>f</sub> 60-150 mm/min

**pH value** 6.5-7.5  
**value** 0.1-0.5 g/l



0-12

**Mineral-organic outdoor potted plant substrate:**

- Lava, pumice, Sand, xylitol and compost as base components  
On request with peat
- For systems with water storage and free drainage
- Offers stability for high growing plants due to the effective interlocking of the components
- For thicknesses of up to 70 cm
- Well suited for permanent plantings due to the high mineral content
- Not fertilized, but can be blended with fertilizer on request
- Delivery in sacks, big bags, as bulk or per silo truck

## Vulka Kubo organic 0-12

**Grain size**  
(ø in mm)

0-12

**Particle size distribution**  
(percentage of total mass in %)  
Blowable components 8-15  
Blowable components 30-40

**Volume weight**  
(t/m<sup>3</sup>)  
Delivery condition DIN EN 1097-3 0.95-1.10  
At max. water capacity, compacted 1.40-1.70  
Runoff curve number C

**Water/air balance, compacted**  
Maximum water capacity 45-50 vol.%  
Water permeability mod. K<sub>f</sub> 0.3-15 mm/min

**pH value** 6.5-7.5  
**Salinity** 0.1-1.0 g/l



**0-4**

**Mineral-organic outdoor potted plant substrate:**

- For systems with water storage and free drainage
- Stability of high growing plants due to excellent interlocking of the components
- For laying thicknesses of up to 45 cm.  
In the case of higher thicknesses Vulka Kubo 0-12 mineral can also be used as a sub-substrate
- Suitable for permanent plantings due to its high mineral content
- Not fertilized, but can be blended with fertilizer on request
- Deliverable in sacks, big bags or as bulk

# Vulka Kubo 0-4

<b>Grain size</b> (ø in mm)	<b>0-4</b>
<b>Particle size distribution</b> (percentage of total mass in %)	
Blowable components	10-20
Fine/medium gravel	20-40
<b>Volume weight</b> (t/m <sup>3</sup> )	
Delivery condition DIN EN 1097-3	0.80-0.90
At max. water capacity, compacted	1.25-1.40
Runoff curve number C	
<b>Water/air balance, compacted</b>	
Maximum water capacity	45-55 vol. %
Water permeability mod. K <sub>r</sub>	0.3-20 mm/min
<b>pH value</b>	6.5-7.2
<b>Salinity</b>	0.5-1.0 g/l



**0-6/8**

**Mineral-organic outdoor potted plant substrate:**

- For systems with water storage and free drainage
- Stability of high growing plants due to excellent interlocking of the components
- For laying thicknesses of up to 45 cm.  
In the case of higher thicknesses Vulka Kubo 0-12 mineral can also be used as a sub-substrate
- Suitable for permanent plantings due to its high mineral content
- Not fertilized, but can be blended with fertilizer on request
- Deliverable in sacks, big bags or as bulk

# Vulka Kubo 0-6/8

<b>Grain size</b> (ø in mm)	<b>0-6/8</b>
<b>Particle size distribution</b> (percentage of total mass in %)	
Blowable components	10-20
Fine/medium gravel	20-40
<b>Volume weight</b> (t/m <sup>3</sup> )	
Delivery condition DIN EN 1097-3	1.00-1.10
At max. water capacity, compacted	1.60-1.85
Runoff curve number C	
<b>Water/air balance, compacted</b>	
Maximum water capacity	40-50 vol. %
Water permeability mod. K <sub>r</sub>	0.3-15 mm/min
<b>pH value</b>	6.8-7.5
<b>Salinity</b>	0.5-1.0 g/l



# Vulkaflor®



2-5

## Outdoor potted plants mineral substrate

- Lava, pumice and zeolite as base components
- For tub systems with water storage
- Offers stability for high growing plants due to the effective interlocking of the components
- Without any limits on laying thickness
- Suitable for permanent plantings due to its high mineral content
- Not fertilized, but can be blended with fertilizer on request
- Delivery in sacks, big bags, as bulk or per silo truck

### Grain size (ø in mm)

2-5

### Particle size distribution (percentage of total mass in %)

Blowable components	≤ 10
Fine/medium gravel	30-60

### Volume weight (t/m³)

Delivery condition DIN EN 1097-3	0.70-0.80
At max. water capacity, compacted	1.00-1.10
Runoff curve number C	

### Water/air balance, compacted

Maximum water capacity	20-35 vol. %
Water permeability mod. $K_f$	200-400 mm/min

### pH value

6.5-7.5

### Salinity

0.1-1.0 g/l



0-12

## Mineral or mineral-organic soil for succulent plants:

- Mineral blend:  
Lava and pumice as base components.  
On request also with peat
- Mineral-organic blend:  
Lava, pumice and compost as base components.  
On request also with peat
- Suitable for permanent plantings
- Not fertilized, but can be blended with fertilizer on request
- Delivery in sacks, big bags or as bulk

# Cactus soil

### Grain size (ø in mm)

0-12

### Particle size distribution (percentage of total mass in %)

Blowable components	10-20
Fine/medium gravel	20-40

### Volume weight (t/m³)

Delivery condition DIN EN 1097-3	0.80-0.90
At max. water capacity, compacted	1.20-1.30
Runoff curve number C	

### Water/air balance, compacted

Maximum water capacity	20-35 vol. %
Water permeability mod. $K_f$	0.3-20 mm/min

### pH value

6.5-7.5

### Salinity

0.5-1.0 g/l