



JBL Manado

Natural substrate for freshwater aquariums

Suitable for:  



- Optimal plant care through porous structure and nutrient storage function: substrate for freshwater aquariums
- Vigorous plant growth, prevents algae: effective settlement of beneficial soil bacteria and ideal root growth thanks to natural pore structure. Support for the filter. Crystal-clear water
- Ideal for fish, invertebrates and plants: no unwanted pollutants released into the water. Round-shaped granule grains are gentle on sensitive barbels of bottom-dwellers
- High storage capacity: the natural substrate absorbs the surplus nutrients and releases them when required
- Contents: substrate Manado. Available in various sizes

 You may also be interested in

You can find a complete overview here: <https://www.jbl.de/qr/67021>



JBL PROSCAPE VOLCANO POWDER

Long-term soil supplement for
plant aquariums





JBL Manado



Product information

Successful plant care

The natural substrate activates the soil flora and is ideal for plant care. The nutrient buffer with battery effect (releases nutrients until it is depleted and can be reloaded through new fertilisation) is water-neutral and rounded.

Use

Rinse briefly before use with lukewarm tap water to remove any abrasion caused in transit.

Further information	
FAQ	✓
Blog	✓
Press	✓
Laboratory/calculator	×
Worth reading	✓
Spare parts	×
Video	✓
GarantiePlus	×
Instructions	✓
QR code	



JBL Manado



Product details

Article data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
EAN number	4014162670212	4014162670229	4014162671110	4014162670236
EAN as barcode				
Content	1,5 l	3 l	3 l	5 l
Graining	0,5-2 mm	0,5-2 mm	0,5-2 mm	0,5-2 mm
Expiry months	-	-	-	-
RRP incl. VAT	8,39 €	11,13 €	-	16,68 €
Base price	5,59 €	3,71 €	-	3,34 €
Nominal filling quantity	1.5 l	3 l	3 l	5 l
Base quantity	1 l	1 l	1 l	1 l
Gross weight	1040 g	2065 g	2065 g	3431 g
Net weight	1020 g	2040 g	2040 g	3400 g
Weight change	1000	1000	-	1000

Disposal				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
Green dot	✓	✓	✓	✓
Group electronic waste	-	-	-	-
Disposal weight	-	-	-	-
Battery type	-	-	-	-
Battery return	-	-	-	-
Battery rechargeable	-	-	-	-
Disposal weight battery	-	-	-	-
Non-returnable glass	-	-	-	-
PPK	-	-	-	-
Plastic small	20 g	25 g	25 g	31 g
Plastic large	-	-	-	-
Disposal weight metal	0 g	0 g	0 g	0 g

Features				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300



Features				
Animal species	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle
Animal size	For all animal sizes	For all animal sizes	For all animal sizes	For all animal sizes
Animal age group	All aquarium fish	All aquarium fish	All aquarium fish	All aquarium fish
Volume of habitat	8-10 L (20-25cm)	12-25 L (30-40cm)	12-25 L (30-40cm)	25-45 L (40-50cm)
Material	Expanded clay	Expanded clay	Expanded clay	Expanded clay
Food type	-	-	-	-
Colour	red / brown	red / brown	red / brown	red / brown
Dosage	-	-	-	-
Transport conditions	-	-	-	-



Article data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
EAN number	4014162670243	4014162670250
EAN as barcode		
Content	10 l	25 l
Graining	0,5-2 mm	0,5-2 mm
Expiry months	-	-
RRP incl. VAT	22,12 €	44,17 €
Base price	2.21 €	1.77 €
Nominal filling quantity	10 l	25 l
Base quantity	1 l	1 l
Gross weight	6845 g	17090 g
Net weight	6800 g	17000 g
Weight change	1000	1000

Disposal		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
Green dot	✓	✓
Group electronic waste	-	-
Disposal weight	-	-
Battery type	-	-
Battery return	-	-
Battery rechargeable	-	-
Disposal weight battery	-	-
Non-returnable glass	-	-
PPK	-	-
Plastic small	-	-
Plastic large	45 g	90 g
Disposal weight metal	0 g	0 g

Features		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
Animal species	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle
Animal size	For all animal sizes	For all animal sizes
Animal age group	All aquarium fish	All aquarium fish
Volume of habitat	45-96 L (50-80cm)	120-360 L (80-120cm)



Features		
Material	Expanded clay	Expanded clay
Food type	-	-
Colour	red / brown	red / brown
Dosage	-	-
Transport conditions	-	-



JBL Manado

Electronic label / illuminant				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
Ambient temperature	-	-	-	-
Start time	-	-	-	-
Mercury	-	-	-	-
Tube length	-	-	-	-
Service life	-	-	-	-
Lumen	-	-	-	-
CRI value	-	-	-	-
Dimmable	-	-	-	-
Switching cycles	-	-	-	-
PAR value	-	-	-	-
Energy efficiency class	-	-	-	-
UV-A	-	-	-	-
UV-B	-	-	-	-
UV-C	-	-	-	-
Colour temperature	-	-	-	-
Base designation	-	-	-	-

Technical data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
Range in litres	-	-	-	-
Range from - to	-	-	-	-
Range in days	-	-	-	-
Range tank length	-	-	-	-
Output in watts	-	-	-	-
Output per hour	-	-	-	-
Output per day	-	-	-	-
Height	300 mm	310 mm	310 mm	375 mm
Length	200 mm	300 mm	300 mm	290 mm
Width	25 mm	33 mm	33 mm	47 mm
Diameter	-	-	-	-
Voltage	-	-	-	-
For	-	-	-	-
T8 26mm (watt)	-	-	-	-
T5 16mm (watt)	-	-	-	-
Size	-	-	-	-
Content for	-	-	-	-
Filter container volume	-	-	-	-
Volume filter media	-	-	-	-
Hose connections pressure/out	-	-	-	-
Hose connections suction/in	-	-	-	-
Delivery head	-	-	-	-



Electronic label / illuminant		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
Ambient temperature	-	-
Start time	-	-
Mercury	-	-
Tube length	-	-
Service life	-	-
Lumen	-	-
CRI value	-	-
Dimmable	-	-
Switching cycles	-	-
PAR value	-	-
Energy efficiency class	-	-
UV-A	-	-
UV-B	-	-
UV-C	-	-
Colour temperature	-	-
Base designation	-	-

Technical data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
Range in litres	-	-
Range from - to	-	-
Range in days	-	-
Range tank length	-	-
Output in watts	-	-
Output per hour	-	-
Output per day	-	-
Height	400 mm	500 mm
Length	385 mm	430 mm
Width	70 mm	120 mm
Diameter	-	-
Voltage	-	-
For	-	-
T8 26mm (watt)	-	-
T5 16mm (watt)	-	-
Size	-	-
Content for	-	-
Filter container volume	-	-
Volume filter media	-	-
Hose connections pressure/out	-	-
Hose connections suction/in	-	-
Delivery head	-	-



JBL Manado

Food type	-
Sub product type	-
Dosing	-





JBL Manado



Safety information

Further safety information	
Fertilising Act	Growing medium using 100 % expanded clay, pH value (CaCl ₂): 10.3; salt content (KCl): 1.1 g/l. Plant available (soluble) nutrients: 0.8 mg B/l (CAT soluble); 9 g Zn/l (CAT soluble).



Additional information for the specialist trade sector

Article data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
VAT	19%	19%	19%	19%
Sales unit (SU)	10	6	6	3
Volume packaging	1.8l	3.9l	3.9l	6.5l
Dimensions (l/w/h)	300 mm/200 mm/30 mm	320 mm/310 mm/40 mm	320 mm/310 mm/40 mm	375 mm/290 mm/60 mm
Layer	90	54	54	27
Pallet	450	270	270	135
Category of products	2	2	2	2
Customs tariff	68062010	68062010	68062010	68062010
Country of origin	DE	DE	DE	DE
Type of packaging	Bag / sack	Bag / sack	Bag / sack	Bag / sack

PU 1 data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
PU 1 material	cardboard gr	cardboard gr	cardboard gr	cardboard gr
PU 1 weight	614 g	614 g	614 g	614 g
PU 1 length	400 mm	400 mm	400 mm	400 mm
PU 1 width/depth	255 mm	255 mm	255 mm	255 mm
PU 1 height	190 mm	190 mm	190 mm	190 mm

PU 2 data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
PU 2 material	None	None	None	None
PU 2 weight	-	-	-	-
PU 2 length	-	-	-	-
PU 2 width/depth	-	-	-	-
PU 2 height	-	-	-	-

Trade data				
Product name	JBL Manado 1,5 l	JBL Manado 3 l	JBL Manado 3 l	JBL Manado 5 l
Art. No.	6702100	6702200	6711100	6702300
Till receipt text	Manado 1,5l	Manado 3l	Manado 3l	Manado 5l
Shelf placement	-	-	-	-





Article data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
VAT	19%	19%
Sales unit (SU)	1	1
Volume packaging	13.4l	29.5l
Dimensions (l/w/h)	410 mm/385 mm/85 mm	500 mm/430 mm/137 mm
Layer	8	7
Pallet	88	35
Category of products	2	2
Customs tariff	68062010	68062010
Country of origin	DE	DE
Type of packaging	Bag / sack	Bag / sack

PU 1 data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
PU 1 material	None	None
PU 1 weight	-	-
PU 1 length	-	-
PU 1 width/depth	-	-
PU 1 height	-	-

PU 2 data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
PU 2 material	None	None
PU 2 weight	-	-
PU 2 length	-	-
PU 2 width/depth	-	-
PU 2 height	-	-

Trade data		
Product name	JBL Manado 10 l	JBL Manado 25 l
Art. No.	6702400	6702500
Till receipt text	Manado 10l	Manado 25l
Shelf placement	-	-