NEW FLUVAL



O-STRATUM

Providing the same powerful mix of nutrients and minerals as original Stratum for explosive plant growth, Fluval's All-New Bio-Stratum is infused with BENEFICIAL "BIOACTIVE" BACTERIA that will break down waste, kickstart the nitrogen cycle and rapidly reduce ammonia levels to help stabilize water conditions in new aquariums and keep the established aquariums healthy. Acting as an additional source of biological filtration, Bio-Stratum's smaller powder format granules are porous and non-compacting, which further promote bacterial colonization and enhanced water quality.



VOLCANIC SOIL FOR PLANTED AQUARIUMS - POWDER FORMAT

ENHANCED BIOLOGICAL ACTIVITY

- Infused with dormant BIOACTIVE BENEFICIAL BACTERIA that once in contact with water, are activated to break down waste and kickstart the nitrogen cycle
- Rapidly reduces ammonia levels to help stabilize water conditions in new aquariums
- · Acting as an additional source of filtration, Bio-Stratum's porous structure promotes bacterial colonization for improved water quality



WATER CHANGES REMOVE NITRATES

STAGE 1 Nitrogen Introduced in Fish Food

Ammonium (NH₄⁺), Ammonia (NH₃)

STAGE 3

BENEFICIAL BACTERIA

convert Ammonium (NH₄*), Ammonia (NH₃) to Nitrite (NO₂*)

STAGE 5 Plants use Nitrate (NO₃) as fertilizer

IMMEDIATE RESULTS The Nitrogen Cycle

STAGE 4 BENEFICIAL BACTERIA convert Nitrite (NO₂) to Nitrate (NO₃)

IDEAL FOR FINE & DELICATE ROOT SYSTEMS

- · At only 1-3 mm in diameter, Bio-Stratum's lightweight powder granules are non-compacting, allowing the finest and more delicate roots to easily penetrate and spread throughout the porous substrate
- Ideal for use in smaller freshwater aguariums or as a top layer in larger tanks
- · Unique curing and heat treatment process helps extend soil life and ensures no parasites are present



STAGE 2 Fish waste turns into



COLLECTED FROM THE MINERAL RICH FOOTHILLS OF THE FAMOUS **MOUNT ASO IN JAPAN**

STIMULATES STRONG PLANT GROWTH

- Contains a powerful mix of nutrients, minerals and trace elements exclusively available to plants
- Promotes healthy plant development, vigorous growth and vibrant colors
- Supports a neutral to slightly acidic pH ideal for live plants as well as fish and shrimp



BIO-STRATUM		KEY FEATURES	ORIGINAL STRATUM		
	Approx. 1-3 mm Ø Powder	Format	Approx. 3-5 mm Ø Granule		
RIME BIO-STRATUM	✓	Infused with BIOACTIVE BENEFICIAL BACTERIA	FLUVAL STRATUM		
5	1	Promotes strong plant health, growth & colors	5		
T	V	Supports a neutral to slightly acidic pH level	✓	7	
	✓	Non-compacting, porous substrate	✓		
The state of the s		Offers a refuge for newborn shrimp	✓		
44 to 72 to 12	✓ ✓ (Top layer) ✓ (Top layer)	Aquarium size usage: • Small • Medium • Large	<i>y</i>	unking.	

BIO-STRATUM VOLCANIC SOIL FOR PLANTED AQUARIUMS

Pkg.	Item#	Weight	Description	How much should I use?			UPC
	12696	2 kg	Fluval Bio-Stratum Volcanic Aquarium Soil Powder Format	Recommended minimum depth	W L	FUVAL BIO-STRATUM	0 15561 12696 0
	12697	4 kg	Fluval Bio-Stratum Volcanic Aquarium Soil Powder Format	Minimum 3-4 cm	30Lx30Wcm	1 x 2 kg	0 15561 12697 7
	12698	8 kg	Fluval Bio-Stratum Volcanic Aquarium Soil Powder Format		45 L x 30 W cm	1 x 4 kg 1 x 8 kg	0 15561 12698 4
	.200	s ng			90 L x 30 W cm	1 x 8 kg + 4 kg	





