



# AQUATIC DECO

by **EUROSAND**<sup>®</sup>  
Member of ZIEGLERGROUP

## CLAY SUBSTRATE

(biological filter medium | substrate for rooting | thermal insulation)



C1-0000 (red-brown shade) 1 – 4 mm



C2-0000 (brown-grey shade) 2 – 10 mm

## DESCRIPTION

Professional aquarium keeping demands a high level of water quality and water purification. Our CLAY SUBSTRATE can play an essential role in maintaining low nitrogen levels, provide optimised biological filtration and serve as a high-quality substrate.

Its main purpose as a high specific area filter media, is to remove poisonous substances like ammonia and nitrite from the water. The special structure of the outer surface provides an ideal environment for beneficial microbes to settle and colonise. These nitrifying microbes convert ammonia into nitrite and further into non-toxic nitrates.

It is an economic and ecological bioreactor suitable for all freshwater and marine aquariums. In addition, CLAY SUBSTRATE can also be used as a substrate for rooting plants in the aquarium and ensures a constant climate in the terrarium.

## HOW IT WORKS

The surface of standard expanded clay is almost completely closed. But due to its special manufacturing process, our CLAY SUBSTRATE has an open surface and core giving bacteria the ideal environment to grow. Up to 280 m<sup>2</sup>/l is available for bacterial colonisation and settling (the calculation of the settling surface is based upon total surface area, exclusively used by the bacteria).

Since organisms can settle on the CLAY SUBSTRATE, it also functions as an excellent nutrient medium (substrate) for the roots of the plants. Due to the enclosed air pores, CLAY SUBSTRATE also has a heat-insulating effect and can thus maintain the desired climate in a terrarium.

## ADVANTAGES OVER GRANULES

The round shape of CLAY SUBSTRATE provides a particularly large colonisation area and high porosity, which makes it perform better as a filter medium. In addition, the material is very light. Gravel, on the other hand, is not porous, has a much smaller surface area compared to CLAY SUBSTRATE and is very heavy. Our CLAY SUBSTRATE is up to 8 times more efficient and also extends the cleaning intervals.

## HOW TO USE

When CLAY SUBSTRATE is used for the first time, the bacteria need about 2 - 4 weeks to reach about 70% of the filter capacity. After 4 - 6 weeks, almost 100% of the filter capacity is reached. After that, CLAY SUBSTRATE should never be completely replaced. Approximately one third should be left in the aquarium - only two thirds should be filled with new CLAY SUBSTRATE. In this way, sufficient bacterial colonies are already present and can grow again.



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## PACKAGING

(with private label on request)



41ST	4 litre bag
ca. 24 x 36 x 7 cm	
carton: 4	pallet: 216



45ST	8 litre bag
ca. 27 x 43 x 9 cm	
carton: --	pallet: 100



65	1000 litre big bag
ca. 110 x 110 x 120 cm	
carton: --	pallet: 1

## QUALITY MADE IN GERMANY

- porous for the colonisation of bacteria
- long lasting filter medium
- extends cleaning intervals
- economically, sustainable & ecologically valuable
- round grain without sharp edges
- substrate for rooting & thermal insulating

## CONTACT



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