



Akdolit® products are developed to offer best possible solutions for the treatment of drinking water, industrial process water and swimming pool water. Akdolit® is a registered trademark of Lhoist Recherche & Développement.S.A.



# Akdolit® Hydro-Anthrasit N

Ref : Akdolit® Hydro-Anthrasit N

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## Product description

Akdolit® Hydro-Anthrasit N is a filter material for water purification, produced by crushing and sieving natural anthracite coal. The abrasive-resistant grains are characterised by their sharp edged structure and a splintery shape of grain. Due to its stable structure, Akdolit® Hydro-Anthrasit N can guarantee a safe and economic use, requiring little maintenance.

Akdolit® Hydro-Anthrasit N complies with the requirements of the standard EN 12909, DIN 2000, DIN 19643 and the DVGW- technical rules W 213.

## Application areas

- Filtration of turbid well, spring and surface water
- Filtration for the chemical and/or biological and/or catalytic iron and manganese removal
- Filtration of raw water treated with flocking agents
- Filtration of decarbonised water after the softening reactor
- Filtration of cooling and process water in industry
- Filtration in the swimming pool water treatment.
- Upper layer of chemically reacting filter materials to protect the active surfaces from pollution
- Filtration of mechanically/biologically treated waste water

## Methods of use

- Akdolit® Hydro-Anthrasit N is mainly used as upper layer filter material for multi-layer filtration in both open or closed fixed bed filters
- A complete technical datasheet with operating instructions is available on request

### CHEMICAL COMPOSITION

Carbon	~ 90%
Ash, water-free	~ 2 – 4%
Volatile components	~ 6%
Water	~ 1%

### PHYSICAL PROPERTIES

Grain size 1	0,6 - 1,6 mm
Grain size 2	1,4 - 2,5 mm
Grain size 3	2,0 - 4,0 mm
Grain size 4	4,0 - 8,0 mm
Bulk density grain size 1 and 2:	~ 720 kg/m <sup>3</sup>
Apparent density :	~ 1,4 g/cm <sup>3</sup>
Grain porosity :	< 5 %

## Delivery

- Poly-bags of 50 L each
- Bulk in tank vehicles
- Big bags

## Storage

- Akdolit® Hydro-Anthrasit N is indefinitely storable when stored in a clean and dry place.
- In order to prevent contamination of material, damage to packages of material packed in bags must be prevented.
- Re-fillings should only be done from original containers.

## Safety

Safety data sheet: Akdolit® Hydro-Anthrasit N (available on request)



All data are guideline values with deposit and production-related tolerances. They are used for product description and are not guaranteed properties. It is the duty of the user to check the suitability of the product for its intended use