

## EVERZIT® N

### Anthracite filter media in accordance with EN 12909

EVERZIT® N is a natural anthracite filter material produced in Germany. Especially favorable geological processes formed anthracite with a particularly special structure. Our unique refining process of cleaning, crushing and sieving ensures our capability to convert anthracite to premium-quality filter media for single-layer and multi-layer filtration. It has a proven track record spanning more than 45 years in successful water treatment worldwide.

#### Grain sizes

- I) 0.8 - 1.6 mm
- II) 1.4 - 2.5 mm
- III) 2.0 - 4.0 mm
- IV) 3.5 - 7.0 mm

#### Quality and purity

- EN 12909
- German Drinking Water Ordinance 2001
- AWWA B 100-09
- DIN 19643
- DVGW work sheet W 213
- ÖNORM 6216



#### Features and benefits

Anthracite used as a raw material for EVERZIT® N has by nature ideal characteristics for a filter media:

- High abrasion resistance
- Good retention, even of particulates with high specific gravity
- No silicic acid leach-out into water

#### Applications

Dual media filtration avoids conventional „surface-only“ filtration as found in sand filter beds. Particulate retention occurs throughout the media (in-depth filtration) which offers considerable advantages, i.e. lower investment costs and reduced operating costs:

- longer run time between backwashes
- higher filtration speeds feasible
- higher treatment capacity
- improved filtrate quality

#### Chemical and physical characteristics

Carbon	approx. 92.0 %
Ash	approx. 5.5 %
Volatile matter	approx. 8.5 %
Specific density	approx. 1.35 - 1.55 g/cm <sup>3</sup>
Bulk density	approx. 700 kg/m <sup>3</sup>
Hardness	3 - 4 Mohs
Hardgrove Grindability Index	approx. 44° HGI