

COUGAR COATINGS Estd. 1988 WASTEWATER DIVISION

Supplying unique solutions for the water and waste water industry



BIO-BLOK® INTELLIGENT FIXED FILM BIOLOGICAL FILTER MEDIA

Technical Specifications – BIO-BLOK® 200

Product: Type BIO-BLOK® 200 (200 m²/m³).

Produced by EXPO-NET Danmark A/S.

Raw material: Polyethylene that is a 100% recyclable material.

Filter form: Constructed of 10 x 10 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.

Standard dimensions: Approx. 55 x 55 x 55 cm.
The BIO-BLOK® units are available in heights (length of block tubes) from 45 to 75cm.

Specific surface: 200 m²/m³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 200 m²/m³ to approx. 426 m²/m³.

Horizontal free flow area: Approx. 64 %

Vertical free flow area: Approx. 15 %

Void percentage: Approx. 82 %

Net weight: Approx. 60 kg/m³

Uplift pressure without biofilm coating: Approx. 120 kg/m³

Density: Approx. 0.55 gr./cm³

Maximum vertical evenly distributed load: Approx. 5,000 kg/m² (please ask our technical department).

Working weight: Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.

Maximum temperature: 80° C.

Average diameter of the vertical passages is: Inside approx. Ø 45 mm



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