

AquaBlok 2575FW

General Description

AquaBlok is a patented, composite-aggregate technology resembling small stones that is typically comprised of a dense aggregate core. In this application of the technology, a powdered high-swell sodium bentonite coating is utilized (Figure 1) with varying percentages of additive (bentonite) layer by percent of total weight.

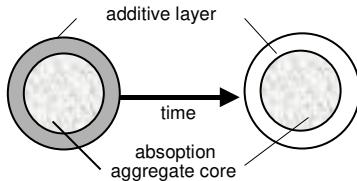


Figure 1. Configuration of AquaBlok-coated particle.

AquaBlok 2575FW is a freshwater formulation which is 25% Bentonite by weight based on the total quantity of material used in production. This product will provide a low permeability seal in the water without mechanical compaction.



Product Specifications

Aggregate:	Nominal AASHTO #8 (1/4-3/8") or custom-sized to meet project-specific need * Limestone or non-calcareous substitute, as deemed project-appropriate
Bentonite:	<p>Powdered – Approximate 200 Mesh</p> <ul style="list-style-type: none"> ○ Bentonite Clay; High swell Wyoming Sodium Natural Mineral (Montmorillonite) ○ Light Grey Powder; Odorless <p>Manufacturers – Product Designation</p> <ul style="list-style-type: none"> ○ Bentonite Performance Minerals – Barakade Standard ○ Others that are deemed to meet the manufacturer specification ○ <i>Formulations Range from 25–35% by weight (average)</i>
Binder:	Cellulosic polymer
Permeability:	1×10^{-7} to 1×10^{-9} cm/sec
Dry Bulk Density:	75 – 85 lbs/ft ³



For more information, contact AquaBlok, Ltd. at:

175 Woodland Ave., Swanton, OH 43558

Phone: (419) 825-1325

Email: services@aquablok.com

Website: www.aquablok.com

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