

AMC BENTONITE PELLETS R30™

SPECIALTY PRODUCTS & CHEMICALS



Description

AMC BENTONITE PELLETS R30™ are compressed tablets made from highly swelling sodium bentonite coated with a biodegradable non-sticking film that retards the hydration time and when placed forms a flexible, non-toxic impermeable seal. AMC BENTONITE PELLETS R30™ has the advantage of achieving greater depths due to the unique coating that slows down the hydration process.

Application

AMC BENTONITE PELLETS R30™ are hydration-retarded pellets used for the sealing of water, monitoring and piezometer wells. AMC BENTONITE PELLETS R30™ when properly located provide an impermeable flexible barrier between aquifers; they are also used to prevent contamination from surface water into the well. AMC BENTONITE PELLETS R30™ can also be used to backfill or abandon all types of bore holes or seal in surface casing. When exposed to fresh water AMC BENTONITE PELLETS R30™ will swell and expand to fill voids, exerting pressure against all surfaces to create a flexible low permeability seal. AMC BENTONITE PELLETS R30™ does not require any mixing equipment and can simply be poured directly into place even through standing water without sticking together.

Typical Physical Properties

Appearance: Light to dark grey solid
Solubility: Insoluble in water
Specific gravity: 2.4 – 2.6

Advantages

- Does not produce dust when adding
- Environmentally acceptable
- No mixing or pumping equipment required
- Helps regain circulation
- Prevent infiltration of surface contamination
- Provide a flexible impermeable seal.

Recommended Treatment

Introduced slowly from the surface to minimise bridging. AMC BENTONITE PELLETS R30™ can also be channelled through a tremie line into place when necessary.

KG OF PELLETS PER METRE OF HOLE

HOLE SIZE MM	HOLE VOL. CUBIC METRES	HOLE VOL. LITRES / METRE	1/4"	1/2"
76.0	0.005	4.6	5.2	5.0
102.0	0.008	8.1	9.4	9.0
114.0	0.010	10.3	11.8	11.3
127.0	0.013	12.7	14.6	14.0
140.0	0.015	15.3	17.8	17.0
152.0	0.018	18.2	20.9	20.1
178.0	0.025	24.8	28.7	27.5
191.0	0.029	28.5	33.0	31.7
200.0	0.031	31.4	36.2	34.7
216.0	0.037	36.6	42.3	40.5
254.0	0.051	50.7	58.4	56.0
279.0	0.061	61.3	70.5	67.6
305.0	0.073	73.0	84.3	80.7
324.0	0.082	82.4	95.1	91.1
445.0	0.155	155.2	179.4	171.9
610.0	0.292	291.9	337.0	323.0
660.0	0.343	342.6	394.5	378.1
762.0	0.456	456.1	525.9	504.0
914.0	0.657	656.8	756.6	725.1

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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