



AVM Aussie Clay® Granules

Aussie Clay Granules are expandable, specially sized pure sodium bentonite granules for use in conjunction with AVM Aussie Clay waterproofing systems.

Sections - 071000/071700/071713/071716

Product Name

Aussie Clay Granules
(Internal Reference: AVM System 590)

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

Aussie Clay Granules are expandable, specially sized pure sodium bentonite granules for use in conjunction with AVM Aussie Clay waterproofing systems. It may be used as a filler in trenches, terminations, behind footings, around penetrations and in other areas where expandable sodium bentonite granules are beneficial.

Aussie Clay Granules work by forming a low permeability membrane once they come in contact with water. Once wetted, the sodium bentonite granules swell (up to several times its size when unconfined) to form a strong continuous barrier for water. As Aussie Clay Granules swell, they are also designed to self-seal small cracks and voids, as well as reduce the potential of lateral water migration.

Where to Use

Retaining Walls, Basements, Under-Slabs, Mud-Slabs

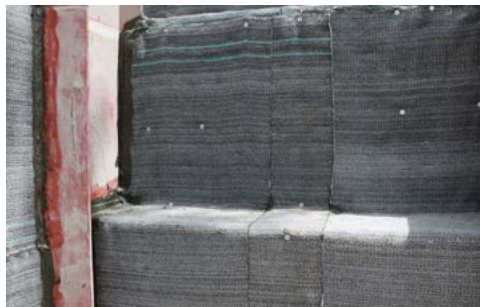
In trenches, behind retaining walls, to fill tie-back covers, etc.

Application Method

Pre-Applied, loosely poured.

Warranty

Warranties are available when sold as part of an Aussie Clay waterproofing system. Consult AVM Industries for details.



Delivery, Storage, and Handling

- Delivery of all Aussie Clay Granules to the job site must be in their original sealed bags, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store in a dry cool space at temperatures between 50°F and 90°F. (Aussie Clay Granules must be stored at temperatures between 50°F and 90°F) Do not store materials in direct sunlight or where they may be damaged by water, humidity or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration or swelling of the product. For specific storage advice, please contact AVM Industries and/or its representatives.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

- Aussie Clay Granules may be used at temperatures as low as -20°F and as high as 110°F.
- Do NOT install the Aussie Clay granules if raining or precipitation is imminent.
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.

Granules Application

Granules come loose in a bag. Pour/spread granules as needed.

Quality Control

Visually inspect all areas where granules were used to ensure a full and proper application. All unsatisfactory areas shall be repaired prior to final acceptance.

Protection of Installed Work

- The Granules shall be protected from rain, wind, debris, etc until backfilled or concrete is properly poured over it.
- Refer to Aussie Clay Training Manual/ Installation Instructions for complete requirements and procedures.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

Technical Data

Typical Characteristics	
Bulk Density (lbs/ft³):	63 ± 3
Cation Exchange Capacity (CEC meq (100gm):	70-90
Color	Light Grey to Tan
Free Swell (cc/2gm):	20 ± 4
Moisture Content (%):	6-10
pH	9.1 ± 0.4
Resistivity (ohm-meters):	2.40
Specific Gravity:	2.55 ± 0.1
Thermal Conductivity	Dry - 0.20
(Btu/hr-ft-OF):	Saturated - 0.50
Wet Screen Analysis (% Residue on #200 Sieve):	3.0 ± 0.5

Typical Chemical Analysis:	%
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
H ₂ O	7.75
Other	.07
L.O.I.	4.37

E.P.A Toxicity Analysis:	E.P.A Standard (ppm)	Typical Analysis (ppm)
Arsenic	5.0	<0.1
Barium	100.0	0.5
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.1
Mercury	0.2	<0.02
Selenium	1.0	<0.05
Silver	5.0	<0.1
H ₂ O	7.75	7.75
Other	.07	.07
L.O.I.	4.37	4.37

Typical Sieve Analysis	
Sieve Size	% retained
#8	0.92
#20	75.67
#30	17.40
#100	5.34
Pan	0.67

Typical Application Rate per 50 lb Bag	
Application	Typical Rate
Wall/Footing Fillet at 1-1.5"	30 lin. ft.
Roof Deck Layer at 1/8" thick	70 sq. ft.

Item/Component	Packaging	Qty / Pallet	Weight / Pallet	Qty / Truck	Approx Truck-Load Shipping Weights	VOC
Aussie Clay Granules	50 Lbs Bag	60 Bags/Pallet	3100 Lbs / 1409 kg	15 Pallets *	46,500 Lbs / 21,140 kg	N/A

* No. of pallets per truck varies if shipped to or in USA or to or in Canada. Qty/Truck listed above shows maximum pallets per 53' flat-bed truck shipped in or to the USA. Call AVM for details.

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

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Quality Waterproofing Products



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