

# AMERROCK

PRODUCTS, LP

## Attic Blow Insulation

ARCHITECTURAL FACT SHEET

Amerrock Products, LP

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### "PREMIUM PLUS" ATTIC BLOWING WOOL

#### Noncombustible Mineral Fiber

##### Product Data:

"PREMIUM PLUS" Blowing wool insulation is a completely inorganic mineral fiber product that does not contain asbestos, cellulose, ground newspapers, cardboard, rags, phenolics, batt trim, or any other material not associated with the manufacture of mineral wool insulation. This product does not need nor contain any chemicals to make it fire retardant, and having no binders, it qualifies as Type 1 under ASTM Designation C764 and Class A interior finish rating per NFPA 101 Life Safety Code with a loss on ignition of less than one percent. "PREMIUM PLUS" Blowing Wool has been tested for thermal performance in accordance with ASTM Test Method C 518 procedures, noncombustibility in accordance with ASTM Designation E 136 procedures and for surface burning characteristics in accordance with ASTM Test Method E 84 resulting in a flame Spread of 10 and a Smoke Developed of 10.

##### Applications:

"Premium Plus" Blowing Wool is a superior mineral fiber insulation product. It is manufactured specifically for blowing application in new and existing structures, as the primary building insulation or as additional insulation in walls and ceilings of existing structures.

##### Advantages:

"Premium Plus" Blown Wool is a loose fill mineral fiber insulation product that in addition to being asbestos-free and noncombustible, is non-corrosive, permanent, odor free, will not absorb moisture, will not support mildew or fungus and will not rot, decay, break down or conduct electricity. It will last for the life of the structure, provide continuous thermal performance and has the added advantages of providing a fire barrier. "Premium Plus" Blowing Wool is a prime insulation product manufactured and packaged under close quality control conditions.

Proper application of "Premium Plus" Blowing Wool loose fill mineral fiber provides uniform coverage of all areas

requiring insulation and completely fills the areas between ceiling joists as well as the areas between cross bracing, truss bracing and other uneven spaces that are difficult to properly insulate with batt type insulation products. Application of "Premium Plus" Blowing Wool loose fill mineral fiber allows any desired R-Value to be installed and assures a complete insulation job to fit any dimensions. "Premium Plus" Blowing Wool insulation can be installed during new construction or after the structure has been in existence for years. It can be installed as the primary insulation or added to existing insulation to retrofit and upgrade the thermal performance of the structure. "Premium Plus" Blowing Wool insulation added to existing ceiling insulation does not incur the risk of possible moisture accumulation problems that are sometimes caused by additional, improperly applied, vapor barrier faced batt insulation products.

##### Architectural Specifications:

"Premium Plus" Blowing Wool Insulation shall be pneumatically installed in open attic areas. Materials shall comply with ASTM Designation C 764, Type 1.

#### Thermal Performance -- Attic Blow

30 lb. Bag

These minimum thickness, maximum coverages, and minimum weights per square foot are recommended to provide the levels of insulation thermal resistance (R) for pneumatic application in open attic areas, as shown:

R-Value* (at mean temperature at 75 F) To obtain an insulation resistance value of: (R-Value)	Minimum thickness Installed insulation shall not be less than: (Inches)	Settled Thickness	Maximum Net Coverage Contents of bags shall not cover more than: (Sq. Ft.)	Minimum Weight Per Square Foot The weight per sq. ft. of installed insulation shall not be less than: (lbs. Per sq. ft.)	Bags per 1,000 Sq. Ft. Minimum number of bags per 1,000 sq. ft. Of net area: (No. of bags)
R-50	14.75	14.75	13.45	2.18	72.72
R-49	14.46	14.46	14.03	2.14	71.27
R-38	11.21	11.21	18.09	1.66	55.27
R-33	9.74	9.74	20.83	1.44	48.00
R-30	9.60	9.60	23.44	1.28	42.67
R-26	8.32	8.32	27.04	1.11	36.98
R-22	7.04	7.04	31.96	0.94	31.29
R-19	6.08	6.08	37.01	0.81	27.02
R-13	4.48	4.48	50.22	0.60	19.91
R-11	3.52	3.52	63.92	0.47	15.64

\*R-Value is a measure of insulating ability. "R:" means resistance to heat flow. The higher the "R" Value, the Greater the insulation power.

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### The AMERROCK Advantage

When you choose AMERROCK insulation, you're buying efficiency, comfort and safety for all of your tomorrows.

### INSULATION SYSTEM

#### AMERROCK Insulation System is:

- \* Durable and always effective
- \* Moisture resistant

- \* Non-corrosive
- \* Asbestos free

- \* Non-toxic
- \* Sound absorbing

- \* Non-combustible
- \* Non-supportive to vermin

FEATURE	CELLULOSE	FIBERGLASS	AMERROCK	COMPARISON
<b>Dominant Raw Material</b>	Old newspaper and other scrap paper products. Organic material.	Silica sand and recycled glass material. Inorganic material	Refined smelter ore. Inorganic material. Predominantly recycled.	Because of its organic nature, cellulose is naturally subject to burning and decomposition.
<b>Production Process</b>	Paper is ground into a fine, dust-like consistency	Sand is melted with recycled glass and spun into fine glass fiber.	Ore is melted and spun into long mineral fibers.	Due to its natural tendency to burn or decompose, cellulose is considered to be a hazardous product.
<b>Chemical Additives</b>	Large amounts of borax and boric acid plus other additives.	Some dyes added.	None.	Cellulose additives are designed to reduce burning and rotting tendencies
<b>Fire Proof</b>	Fire resistant, but when ignited, the material will support combustion.	Non-combustible. Will not support combustion, but will melt at approximately 1,000 degrees Fahrenheit	Non-cumbustible. Will not support combustion and will not melt unless temperature exceeds 2,000 degrees F.	The additives that make cellulose fire resistant often dissipate over time, leaving the material readily combustible.
<b>Settling</b>	Some tests indicate 20% - 30% settling over time.	No significant settling when properly installed.	No significant settling.	Cellulose is naturally subject to settling. Some tests indicate settle factors of 30% with similar reductions in insulation at 25% - 30% over settled density bag label.
<b>Moisture Absorption</b>	Organic fibers will readily absorb large amounts of moisture. Emits fire retardant chemicals while drying.	Inorganic fibers will not absorb moisture	Inorganic fibers will not absorb moisture.	Insulation is not effective when wet. Cellulose readily absorbs moisture; even normal condensation can permanently damage it.
<b>Installed Stability</b>	Fine, dust-like fibers are highly subject to drifting.	Light, fluffy fibers are highly subject to drifting.	Long fibers interlock when installed, giving good resistance to drifting.	During windy weather, the air movement in highly ventilated attics makes cellulose and fiberglass subject to drifting.
<b>Sound Reduction</b>	Good	Fair	Good	Sound reduction is generally related to density. Higher density gives better sound reduction.
<b>Mold / Fungus</b>	Supports growth.	Does not support growth.	Does not support growth.	Mold & fungus lead to allergies.

Of all loose fill attic insulation products, AMERROCK clearly provides the best assurance of excellent long-term performance and the lowest possibility of unexpected problems. Perhaps best of all, it is also price competitive. If you want premium performance at competitive prices, the logical choice is AMERROCK.