

# AAC Ventilation Controls



This submittal packet includes:

MSHA Accepted: ST30/01a  
MSHA Accepted: ST30/02  
MSHA Accepted ST30/00  
Hebel AAC- MSDS  
Hebel Thin bed Mortar MSDS

**AAC Blocks Provide  
the Strength and  
Performance to  
Ensure Safety**

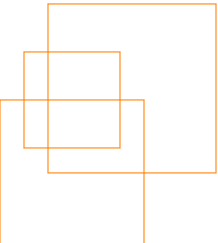


**Distributed by:**

Manufactured by:

**xella**

Rev. 6.17.09

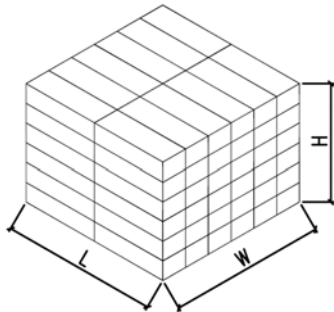


HEBEL AAC (Autoclaved Aerated Concrete) provides a lightweight solution to ease labor and increase performance of ventilation controls.

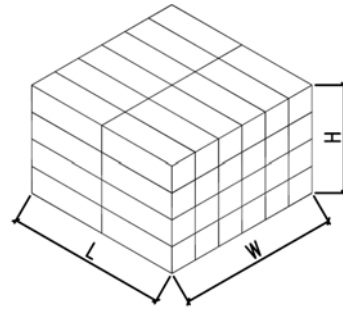
- 'Tongue and Groove' or Standard Blocks
- Thickness 6" or 8"
- Class AAC-2 or AAC-4
- AAC Shipping Density 45 pcf
- Block Dimensions: 6"x 8"x 24", 6"x 12"x 24"  
8"x 8"x 24", 8"x 12"x 24"
- Dry or Wet Stack
- Any MSHA listed 'Suitable Sealant'

- Easy to Cut
- Lightweight
- Fire Resistant, Non Combustible
- Convenience of Short Stack Packaging
- Ease of Constructability
- No Need for Dry Storage, Moisture Resistant

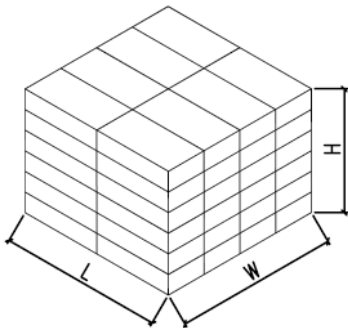
### Short Stack Pallet Sizes:



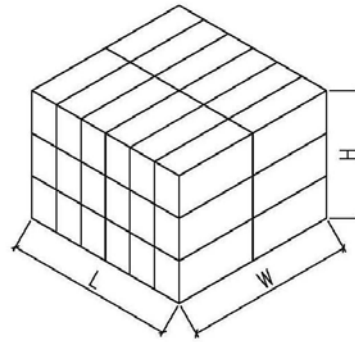
Block: ThxHxL = 6.0"x 8.0"x 24.0"  
Pallet: LxWxH = 48.0"x 48.0" x 36.0"  
72 Blocks / Pallet



Block: ThxHxL = 8.0"x 8.0"x 24.0"  
Pallet: LxWxH = 48.0"x 48.0" x 32.0"  
48 Blocks / Pallet



Block: ThxHxL = 6.0"x 12.0"x 24.0"  
Pallet: LxWxH = 48.0"x 48.0" x 36.0"  
48 Blocks / Pallet



Block: ThxHxL = 8.0"x 12.0"x 24.0"  
Pallet: LxWxH = 48.0"x 48.0" x 36.0"  
36 Blocks / Pallet

**877-41-HEBEL**

Xella Aircrete North America, Inc.  
2400 Hebel Boulevard  
Adel, GA 31620

[www.hebel-usa.com](http://www.hebel-usa.com)

Manufactured by:  
**xella**

Rev. 6.17.09



In Reply Refer To:  
MSHA:A&CC:PAR 95035  
Record File No. ST30/01a

March 3, 2008

Mr. Edward Selvaggio  
Xella Aircrete North America Inc.  
2400 Hebel Blvd.  
Adel, GA 31620

Dear Mr. Selvaggio:

The review of your application dated February 25, 2008, for the Types AAC2 and AAC4 lightweight concrete block Non-traditional Ventilation Stoppings, to add additional strength enhancing sealants is complete. These non-traditional ventilation stoppings and the information provided meet the requirements of the voluntary Application Procedure for a Suitability Evaluation of Non-traditional Ventilation Controls, ASAP5006.

The following requirements apply to this suitability:

1. Suitability Marking: The suitability number "MSHA-ST30/01," must be displayed on the high pressure side of each ventilation stopping. The lettering must be at least 2" high and durable.
2. Construction

BLOCK	MORTAR	SEALANT (dry-stacking)
6" x 8" x 24" minimum AAC2 or AAC4 Lightweight Tongue & Groove or Flat Block	na	Any MSHA listed silicate or portland cement based strength enhancing sealant can be used. <i>3/8" minimum thick</i>

3. You are obligated, as the manufacturer, to maintain the quality of the product to ensure the requirements of this suitability are being met.
4. Definite toxicity standards have not been established for mining products. It is the responsibility of the manufacturer to provide appropriate safety and health


guidelines for handling products that may promote sensitization, cause skin irritation, or emit potentially harmful vapors.

5. Any change in product composition or in any other factors that may affect this suitability must not be made without prior authorization from MSHA.
6. We must be notified of any transfer of production or ownership of this product.
7. We have the right to revoke this suitability for cause at any time.

An invoice for the cost of processing this action will be forthcoming.

If you have any comments or questions relative to this letter, please refer them to Mark Schwartz at 304-547-2083.

Sincerely,



John P. Faini  
Chief, Approval and Certification Center



In Reply Refer To:  
MSHA:A&CC:PAR 96001  
Record File No. ST30/02

December 18, 2008

Mr. Roland Sampoux  
Xella Aircrete North America Inc.  
2400 Hebel Blvd.  
Adel, GA 31620

Dear Mr. Sampoux:

The review of your applications dated October 6, 2008, Company Code Nos. 250011 & 250012 for the Type AAC2 Non-traditional Ventilation mortared stopping is complete. This non-traditional ventilation stopping and the information provided meet the requirements of the voluntary Application Procedure for a Suitability Evaluation of Nontraditional Ventilation Controls, ASAP5006.

The following requirements apply to this suitability:

1. Suitability Marking: The suitability number "MSHA-ST30/02", should be displayed on the high pressure side of each ventilation stopping. The lettering must be at least 2" high and durable.
2. Construction

BLOCK	MORTAR	SEALANT (dry-stacking)
6" x 8" x 24" min. AAC2 Lightweight Block Tongue & groove or flat end	Xella Thin Bed Mortar	NA

3. You are obligated, as the manufacturer, to maintain the quality of the product to ensure the requirements of this suitability are being met.
4. Definite toxicity standards have not been established for mining products. It is the responsibility of the manufacturer to provide appropriate safety and health

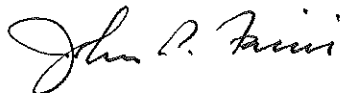
guidelines for handling products that may promote sensitization, cause skin irritation, or emit potentially harmful vapors.

5. Any change in product composition or in any other factors that may affect this suitability must not be made without prior authorization from MSHA.
6. We must be notified of any transfer of production or ownership of this product.
7. We have the right to revoke this suitability for cause at any time.

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If you have any comments or questions relative to this letter, please refer them to Mark Schwartz at 304-547-2083.

Sincerely,

A handwritten signature in cursive script that reads "John P. Faini".

John P. Faini  
Chief, Approval and Certification Center



In Reply Refer To:  
MSHA:A&CC:PAR 94338  
Record File No. ST30/00

December 20, 2007

Mr. Roland Sampoux  
Xella Aircrete North America Inc.  
2400 Hebel Blvd.  
Adel, GA 31620

Dear Mr. Sampoux:

The review of your application dated August 16, 2007, (revised November 28, 2007), Company Code No. 250002, for the Type AAC2 Non-traditional Ventilation Stopping is complete.

This non-traditional ventilation stopping and the information provided meet the requirements of the voluntary Application Procedure for a Suitability Evaluation of Nontraditional Ventilation Controls, ASAP5006.

The following requirements apply to this Suitability:

1. Suitability Marking: The suitability number "MSHA-ST30/00", should be displayed on the high pressure side of each ventilation stopping. The lettering must be at least 2" high and durable.

2. Construction:

BLOCK	MORTAR	SEALANT (dry-stacking)
6" x 12" x 24" min. AAC2 Lightweight Tongue & Groove	Convenience Products "Touch' n Seal Mine Block Mortar" MSHA No. ST25/00	na

3. You are obligated, as the manufacturer, to maintain the quality of the product to ensure the requirements of this suitability are being met.

4. Definite toxicity standards have not been established for mining products. It is

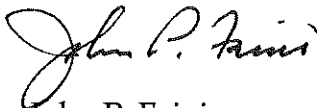
the responsibility of the manufacturer to provide appropriate safety and health guidelines for handling products that may promote sensitization, cause skin irritation, or emit potentially harmful vapors.

5. Any change in product composition or in any other factors that may affect this suitability must not be made without prior authorization from MSHA.
6. We must be notified of any transfer of production or ownership of this product.
7. We have the right to revoke this suitability for cause at any time.

An invoice for the cost of processing this action will be forthcoming.

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Sincerely,



John P. Faini  
Chief, Approval and Certification Center

## Material Safety Data Sheet

### AUTOCLAVED AERATED CONCRETE (AAC)

#### SECTION I. PRODUCT IDENTIFICATION

**Product Name:** HEBEL - Autoclaved Aerated Concrete (AAC)

**Product Use:** Load bearing and non load bearing components for interior and exterior wall, floor and roof slabs.

**Manufacturer's Information:** Xella Aircrete North America Inc.  
2400 Hebel Boulevard  
Adel, Georgia 31620

**Telephone:** 229.896.1593 (Tel)  
229.896.1912 (Fax)

#### SECTION II. HAZARDOUS INGREDIENTS

COMPONENT	CAS No.	% by Weight	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Portland Cement	65977-15-1	28	5	10
Silica	14808-60-7	50	0.1	0.1
Lime	39445-23-3	12	5	10
Gypsum	7778-18-9	10	5	10
Expanding Agent	PATENTED	0.1 - 0.15	--	--

#### SECTION III. PHYSICAL DATA

Boiling Point :	N/A	Specific Gravity:	0.5-0.7
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density (Air=1):	N/A	Melting Point:	N/A
Solubility in Water (%wt)	N/A	Volatiles (by vol.):	N/A
pH:	9.0-10.5	VOC's (g/lit)	N/A
Appearance and odor:	White solid with no odor		

#### SECTION IV. FIRE AND EXPLOSION HAZARDS

Flash Point : N/A

Flammability (LEL,HEL) N/A

Hazardous combustion products: None

Unusual fire and explosion hazards: None

Special Firefighting procedures: The applicable for surrounding materials and substances

#### SECTION V. REACTIVITY DATA

Stability: Stable

Conditions to avoid: None

Incompatible materials: None, this is an inert material

Hazardous decomposition products: None

Hazardous polymerization: Will not occur

#### SECTION VI. HEALTH HAZARD DATA

**EFFECTS OF ACUTE OVEREXPOSURE:**  
No acute effects are related to the use of this product.

**EFFECTS OF CHRONIC OVEREXPOSURE:**  
Long-term overexposure to high concentrations of dust without the use of a dust mask may reduce respiratory function in some individuals.

**INHALATION:**

When cutting the material, dust particles are generated. Respiratory tract must be protected. Irritation of nose and upper respiratory tract, shortness of breath. Prolonged inhalation of excessive silica dust may reduce lung function.

**EYES:**

No specific health hazards are related to this route of exposure. When cutting the material, eyes must be protected against dust generated.

**SKIN:**

Handling may cause dry skin. Avoid contact to skin.

**INGESTION:** Not applicable under normal use. May result in obstruction and temporary irritation of the digestive tract if large quantities are consumed.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Unknown

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**SECTION VII. FIRST AID MEASURES**

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**INHALATION:**

Remove to fresh air. If persistent irritation, severe coughing, or breathing difficulty occurs seek medical attention.

**EYE CONTACT:**

Remove contact lenses. Flush eyes, including under eyelids, with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

**SKIN CONTACT:**

Wash affected areas with soap and water. If irritation persists seek medical attention.

**INGESTION:**

May result in obstruction if ingested. Seek medical attention.

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**SECTION VIII. SPECIAL PROTECTION**

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**RESPIRATORY PROTECTION:**

Dust mask must be worn for dust generating operations.

**PROTECTIVE GLOVES:**

As recommended for construction operations.

**EYE PROTECTION:**

Use of protective safety glasses or goggles is recommended for dust generating operations.

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**SECTION IX. ADDITIONAL INFORMATION**

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AAC dust contains crystalline silica which has been evaluated as Group 2A (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

**WASTE DISPOSAL:**

Follow the above safety instructions, collect waste and dust by sweeping or vacuuming and place in containers. Dispose of containers and waste according to local, state or federal regulations.

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The information contained in this material Safety Data Sheet is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions of use are beyond manufacturer's control. Nothing contained herein should be construed as a recommendation to use this product in conflict with existing patents covering any material or its use.

This MSDS was generated from information available of components of this product. It complies with minimum requirements stated by OSHA as defined in Section G, 29CFR1910.1200.

MSDS date of preparation: 04/19/07



I. Product Identification			
Product Name	<b>Hebel Thinbed Mortar</b>	Manufacturers Name	Elite Building Products, Inc. 4235 Buford Highway Duluth, GA 30096
		Phone (678) 206-0242	

II. Hazardous Ingredients			
Material	CAS No.	OSHA PEL: mg/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>
Portland Cement	65977-15-1	5	10
Silica	14808-60-7	0.1	0.1
Vinyl	1216-01	5	10

III. Health Hazard Data	
Routes of Hazard	Basis for Determination
<u>Exposure Determination</u> Inhalation	Contains Silica*  * Prolonged inhalation of excessive silica dust may reduce lung function.
Effects of Acute Overexposure	No acute effects.
Effects of Chronic Overexposure	Long term overexposure to high concentrations of this dust without the use of a dust mask may reduce respiratory function in some individuals.
Medical Condition Aggravated by Exposure	Unknown
Eyes and Skin	No special precautions. Flush with water for 15 minutes.
Inhalation and Ingestion	No special precautions.

IV. Physical Data			
Boiling Point	N/A	pH	12
Vapor Pressure	N/A	Specific Gravity	2.8
Vapor Density	N/A	Melting Point	N/A
Solubility in Water	Negligible	Evaporation Rate	N/A
Appearance and Odor	Whiteish		

**V. Fire and Explosion Data**

Flash Point	None	Special Fire Fighting Procedures	None
Flammable Limits in Air	N/A	Unusual Fire and Explosion Hazard	None
Auto Ignition Temperature	None		

**VI. Reactivity Data**

Conditions Contributing to Instability	Reacts with acids to liberate CO <sub>2</sub>
Conditions Contributing to Hazardous Polymerization	None
Hazardous Decomposition Products	None

**VII. Disposal, Spill, or Leak Procedures**

Waste Disposal Method	Material is not classified as a hazardous waste under RCRA Section 3001. Use normal solid waste disposal procedures which are in compliance with Federal, State and Local Regulations.
Spill or Leak Procedures	Material is not classified as a toxic pollutant or a hazardous substance under Section 307 and 311 of the Clean Water Act. Accidental releases can be cleaned up by sweeping, vacuuming, or flushing with water.
Neutralizing Chemicals	None required.

**VIII. Special Protection Information**

Ventilation	Use sufficient general area ventilation. Local exhaust may be necessary where Threshold Limit Values (TLV's) are exceeded or dusty conditions exists.
Personal Protective Equipment	
Eyes	Recommended
Gloves	Recommended
Other	None
Respiratory Protection	For dusty conditions use a dust mask approved by NIOAH.

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