Product Data Sheet

AERCON THINBED MORTAR

Polymer Modified AAC Adhesive Cement

AERCON THINBED MORTAR is a polymer modified, white portland cement adhesive specifically designed to bond autoclaved aerated concrete units for interior and exterior wall construction.

Surface Preparation: All bases to receive **AERCON THINBED MORTAR** must be clean, dry, and free of grease, oil, dirt, paint, and any foreign residues.

Mixing: Mix one 55 pound bag with approximately 1 3/4 gallons of clean water for 5 minutes and remix prior to use. The desired consistency is that which allows the mortar to flow easily through a notched trowel.

Application: Apply to autoclaved aerated concrete using an appropriately sized notched trowel. Deposit the proper amount of **AERCON THINBED MORTAR** along the center of the horizontal surface to evenly distribute the mortar over the surface. Use the trowel to directly apply mortar to the vertical surface, drawing it from the bottom to the top of the block. Once set, the joint thickness should be approximately 1/16 to 3/32 inch. The mortar allows approximately 5 minutes for straightening and adjustment of the unit before it begins to set.

Precautions: Ambient and surface temperatures must be higher than 40° F and not expected to fall below 40° F within 24 hours. Protect from rain until completely hard.

Drying Time: Total cure obtained in 24 hours.

Package Size: 55 pound bag

Cleaning: Clean tools with water. Protect glass, metal, stone, brick and other area from contact with plaster.

Coverage: One 55 pound bag covers one pallet of autoclaved aerated concrete.

Storage: Product storage life is one year from date of manufacture.

Technical Data:

Compressive Strength	1800 psi
Dry Density	89 lbs/cf
Wet Density	108 lbs/cf
Shear Bond Strength ASTM C1072	85psi* block failure

Material Safety Data Sheet

I. Product Identification			
Product Name	**Aercon Thinbed Mortar**	Manufacturers Name Phone (678) 206-0242	Elite Building Products, Inc. 4235 Buford Highway Duluth, GA 30096

II. Hazardous Ingredients			
Material	**CAS No.**	**OSHA PEL: mg/m^3**	**ACGIH TLV mg/m^3**
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 Exposure Determination Inhalation	**Basis for Determination** 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_2
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.

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 for use are beyond our 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.