RESCOM PRODUCTS

Material Safety Data Sheet
Premium Basecoat
EPS Foam Adhesive & Mesh Basecoat

PRODUCT NAME: Premium BaseCoat
EPS Foam Adhesive and Mesh BaseCoat

MANUFACTURER: Vison Tech Products LLC

PRODUCT DESCRIPTION: Premium BaseCoat Adhesive is a dry blended, polymer modified Portland cement based adhesive designed to be used to bond foam to wall substrates and to embed reinforcing fabric over EIFS insulation boards. Vison Premium Base-Coat Adhesive is mixed with water only to result in a hard, water resistant but breathable basecoat suitable for application of synthetic finishes.

PACKAGING:
Color: Grey or White
Texture : Fine sanded powder
Packaging: 50 lb. bag

BASIC USE: Premium BaseCoat can be used to bond properly cured EPS board in both interior or exte-rior wall installations. Suitable substrates include, exterior gypsum sheathing, stucco, concrete block, brick, precast concrete, fiber reinforced ce-mentitious backer boards, and cement plaster masonry surfaces. For interior installations, gyp-sum wallboard is acceptable. Premium BaseCoat Adhesive can also be used up to 1/4 inch thick as a level coat for cement plaster, stucco, masonry, brick and block surfaces and to embed reinforcing mesh fabric onto EPS board.

LIMITATIONS: Do not apply when ambient temperature, materi-als and substrate are below40oF. Use sunshades when temperature is above 950F. Provide screens during windy conditions. Do not use for plywood, OSB, cement asbestos board, metal, or painted surfaces. Foam should be mechanically fastened to these surfaces and properly weatherproofed prior to embedding the mesh. Do not use un-treated gypsum board for exterior installations. Do not use below grade or for installations requiring water proofing. Do not use as a finish coat. Foam and mesh applications described herein should not be considered a substitute for flashing and water-proofing. Consult an architect or structural engineer for proper specifications.

GENERAL SURFACE PREP:
All surfaces on which Premium BaseCoat is to be applied must be dry, fully cured, structurally sound and not below 400 F for the first 72 hours after application. Surfaces must be free of all dirt, dust, grease, oil, curing compounds, sealers, coatings, efflorescence and loose material.

INSTALLATION: MIXING
Mix 50 pounds of the Preium BaseCoat powder with five quarts of clean potable water (at 45-800 F). Add the powder to the water in a mechanical mortar mixer or slow speed drill (500-RPM maximum) with a Jiffler type paddle. Allow mix to slake for 5 min. then remix. Add a small amount of water or powder if necessary until desired consistency is reached. Do not retemper after this point.

APPLICATION
A. Level Coat: Level and smooth the masonry substrate from featheredge to 1/4 inch thick over the surface. If conditions are hot and dry, the masonry surface can

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be dampened slightly with water to ease ap-plication. First key in the mortar by spreading with firm pressure a thin layer over the surface, then build up to 1/4 inch.

B. Bond Coat For Foam: For uneven surfaces up to 1/4 inch out of plain in 10 feet, apply a 3/8 inch thick by 2 inch wide rib-bon of BaseCoat to the perimeter and 3/8 inch thick by 4 inch diameter dots every 8 inches on center over the backside of the board. For smooth surfaces, use a 3/8-inch V notched trowel and ap-ply the BaseCoat Mortar over the entire surface. Place the boards in horizontal position with a slid-ing motion in a running bond pattern. Next, apply pressure over the foam board to insure complete contact with the substrate. Abut all joints tightly and avoid mortar in the joints.

Note: All edges and terminations of the foam should be double wrapped with mesh and Base-Coat Mortar. Before installing the foam apply a minimum two-inch wide band of the BaseCoat mortar and embed re-enforcing mesh. The mesh should be wide enough to wrap over the outside of the foam board, a minimum of three inches plus the thickness of the foam. (The total minimum width of this mesh should be five inches plus the thickness of the foam).

B. BaseCoat for Mesh: After the foam has been set for 24 hours, fill voids with foam slivers and rasp surface to remove irreg-ularities and to plane the surface. Next, prepare any groves or designs. Maintain a minimum of 3/4 inch for all foam thickness. Spread the BaseCoat Adhesive 1/16 inch thick over the foam. Immediately embed the mesh into the adhesive by troweling out from the center to the edges. Spread ad-ditional mortar if necessary over the surface to as-sure that the mesh is fully embedded and to further smooth the surface. Avoid wrinkles and overlap the mesh a minimum of 2-1/2 inches at edges. Double wrap at terminal edges and at corners. Further strengthen corners of openings such as doors and windows by embeding an additional diagonal piece of mesh about 9" X 12" into the foam.

EXPANSION JOINTS: Expansion joints, control joints and cold joints in substrate shall never be bridged with BaseCoat Adhesive when directly applied to the substrate. Joints in finish should be detailed by architect.

CURING: A minimum cure is obtained in 24 hours. Coating with synthetic finishes or elastomeric coatings can begin then. If the temperature is below 600 F, allow 48 hours before application of finish.

CLEANING: Water is all that is needed to remove uncured mortar from tools and mixing equipment.

COVERAGE: 100 sq. ft. at 1/16 inch thick

WORKING TIME:
Bucket Life: 5 hours
Dry Time: 24 hours at 70°F

STORAGE LIFE:
One year if kept in dry sealed bag.

10/19

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KEEP OUT OF REACH OF CHILDREN:

Caution: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water, and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

Warranty: Premium BaseCoat warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Rescom's sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Rescom's printed instructions. Rescom makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another.

10/19

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PRODUCT & COMPANY INFORMATION

Product Name: VISON PREMIUM BASE COAT
Manufacturer: Vison Tech Products LLC

HAZARDS INDENTIFICATION

EMERGENCY OVERVIEW
Color: Gray or White
Physical State: Powder
Odor: Low Odor

Primary Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion
Eye Contact: Irritant, severe eye irritation. May cause eye injury. Effect may be delayed
Skin Contact: Contains Portland cement and exposure to dry Portland cement may cause drying of skin with consequent irritation. Prolonged contact with wet Portland cement may cause severe, potentially irreversible damage to the skin in the form of chemical (caustic) burns.
Skin Absorption: NA
Inhalation: Dust can cause inflammation of interior of nose and eyes. Prolonged exposure to dust over the TLV may cause scarring of the lungs and delayed lung injury (silicosis).
Ingestion: If accidentally ingested, mortar may set and cause bowel obstruction – consult physician.
Chronic/Carcinogenicity Effect: Contains silica sand, known Human Carcinogen (category 1). May contain traces of chemicals on California Proposition 65 list.

COMPOSITION INFORMATION

Component	CAS No.	Percent	ACGIH TLV	OSHA PEL	OTHER
Calcium Carbonate	1317-65-3	1-5%	10mg/ m3	15mg/ m3	NA
Portland Cement	65977-15-1	30-50%	10mg/m3	50 mppcf	NA
Silica Sand	14808-60-7	60-70%	0.1mg/m3	0.1mg/m3	NA
Vinyl Co-Polymer	not established	1-5%			NA

10/19

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RESCOM PRODUCTS

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FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water; remove contact lenses after 1-2 minutes then continue flushing for several minutes. Irritant, severe eye irritation. May cause eye injury. Effect may be delayed. If effects occur, consult a physician, preferably an ophthalmologist.
Skin Contact: Contains Portland cement and exposure to dry Portland cement may cause drying of skin with consequent irritation. Prolonged contact with wet Portland cement may cause severe, potentially irreversible damage to the skin in the form of chemical (caustic) burns Wash exposed skin areas with soap and water
Inhalation: Move person to fresh air, if effects occur, consult physician.
Ingestion: If accidentally ingested, mortar may set and cause bowel obstruction – consult physician.
Notes to Physician: Signs and symptoms of exposure are shortness of breath, coughing, reddening of eyes.

FIRE FIGHTING MEASURES

Extinguishing Media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguisher.
Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing (includes fire fighting helmet, coat, trousers, boots and gloves) If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Special Fire Fighting Procedures: NA
Unusual Fire and Explosion Hazards: NA
Hazardous Combustion Products: NA

ACCIDENTAL RELEASE MEASURES

Released or Spilled: Collect spills using dustless method, material can be returned to container for later use, wear NIOSH/OSHA approved respirator for silica dust when cleaning area. Wear appropriate equipment to prevent skin and eye contact.

HANDLING & STORAGE

Store in covered, dry area. Avoid creating dust. Avoid breathing dust. Use only with adequate ventilation.

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Material Safety Data Sheet
Premium Basecoat

EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT	TYPE	VALUE
Calcium Carbonate	TWA Total Dust	15mg/ m3
Portland Cement	TWA Total Dust	50 mppcf
Silica Sand	TWA Total Dust	0.1mg/m3
Vinyl Co-Polymer	TWA Total Dust	10mg/ m3

PERSONAL PROTECTION

Eye/Face Protection: Use safety glasses. If there is potential for exposure to particles which could cause eye discomfort, wear chemical goggles.
Skin Protection: Barrier cream, boots and clothing should protect skin from dust and wet mortar.
Hand Protection: impervious gloves, vinyl or rubber gloves recommended.
Respiratory Protection: NIOSH/OSHA approved respirator for silica dust.
Ingestion: Use good personal hygiene. Do not consume or store food in the work areas.
Wash hands before smoking or eating.
Work / Hygienic Practices: Workers should shower with soap and water after working with mortar.

ENGINEERING CONTROLS

Ventilation: Use with adequate ventilation.

PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Powder	**Vapor density (air=1):**	NA
Color:	Gray or White	**Specific Gravity (H2O =1):**	2.7
Odor:	Low Odor	**Freezing point:**	NA
Flash point:	NA	**Melting point:**	NA
Flammable limits in Air:	Lower (LEL): NA Upper (UEL): NA	**Solubility in water (by weight):**	<1%
		pH:	10-13 in water
Autoignition Temperature:	NA	**Kinematic Viscosity:**	NA
Vapor Pressure:	NA		
Boiling Point (760mmHg):	NA		

10/19

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STABILITY & REACTIVITY

Stability/Instability: Stable
Conditions To Avoid: Keep dry until used.
Incompatibility Materials: Contains Portland Cement when wet is highly alkali. As a result it is incompatible with acids, ammonium salts, aluminum and other alkali and alkaline earth metals.
Hazardous Polymerization: Will not occur.
Thermal Decomposition Products: NA

TOXICOLOGICAL INFORMATION

NA

ECOLOGICAL INFORMATION

NA

DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose materials as common waste, unrestricted sanitary landfill.

TRANSPORT INFORMATION

No special transportation or label placarding is required.

REGULATORY INFORMATION

Listed ingredients are on the U.S. EPA TSCA inventory of chemical substances. W.H.M.I.S. Coed D.2
The product contains a chemical(s) known to the State of California to cause cancer or reproductive harm.

OTHER INFORMATION

Legend: NA – Not Available or Applicable ND – Not Determined

The information provided is without warranty, representation, inducement or license of any kind; except that it is accurate to the best of company knowledge, or obtained from sources believed by the company to be accurate.

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