

MINE SAFETY & HEALTH ADMINISTRATION

APPROVAL&CERTIFICATION CENTER

LIST OF SUITABLE VENTILATION CONTROLS (STOPPINGS & OVERCASTS) WITH SUITABILITY NUMBERS

United States Department of Labor Mine Safety and Health Administration Approval & Certification Center

Listing of Suitable Ventilation Controls (stoppings & overcasts) per 30 CFR 75.333.

All finished products meet ASTM E119 with a 1 hour rating and/or are non-combustible. All finished products meet ASTM E72 at a strength greater than 39 lbs/sq. ft. or greater.

Suitability evaluation is not approval and is not required. Testing by ASTM E119 or testing by ASTM E136 (or other determination of non-combustibility) is required. Testing by ASTM E72 or in-mine strength testing is required.

For questions or concerns, contact Quality Assurance and Materials Testing Division at 304-547-0400.

Manufacturer	Suitability Number	Trade Name	Bulk Stopping Material	Sealant and/or mortar*
Fly-Lite	ST12/00		Light Weight Blocks, drystacked	Eagle Seal "Air-Floated"
Fly-Lite	ST12/01		Light Weight Blocks, drystacked (6" min thick)	Any MSHA silicate based Suitable Sealant"
AERCON (was Matrix ; BABB)	ST16/00		Light Weight Blocks (8" min.), mortared	Elite Cement Products "Premixed Thinbed Mortar/Matrix polymer cementitious thin bed"
AERCON (was Matrix ; BABB)	ST16/01		Light Weight Blocks, drystacked	KCG, INC Magnum Products "Brattiskote"
AERCON (was Matrix ; BABB)	ST16/02		Light Weight Blocks, drystacked	Fosroc (now Airtite Mine Products) "Airtite Trowel Grade"
AERCON (was Matrix ; BABB)	ST16/03		Light Weight Blocks (6" min.), mortared	Quikrete "Redi-Seal Mine Sealant"
AERCON (was Matrix ; BABB)	ST16/04		Light Weight Blocks (6" min.), mortared	Elite Cement Products "Premixed Thinbed Mortar/Matrix polymer cementitious thin bed"
AERCON (was Matrix ; BABB)	ST16/05		Light Weight Blocks (8" min.), mortared	Quikrete "Redi-Seal Mine Sealant"
AERCON (was Matrix ; BABB)	ST16/06		Light Weight Blocks (6" min.), mortared	Quikrete "BlocBond"
Rohmac, Inc.	ST18/00	Kwic-Wall	Steel panels	Clayton U2-200FR**
Aerated Concrete Systems	ST20/00	ACCO	Light Weight Block (8" min.) mortared	Elite (ACCO) thinbed
Aerated Concrete Systems	ST20/01	ACCO	Light Weight Block (8" min.)	Eagle Seal "Air-Floated"
Aerated Concrete Systems	ST20/02	ACCO	Light Weight Block (6" min.)	Elite (ACCO) thinbed or Quikrete "Redi-Seal Mine Sealant"

Manufacturer	Suitability Number	Trade Name	Bulk Stopping Material	Sealant and/or mortar
Babb International, Inc	ST22/00		Lightweight Block – flat or tongue & groove (6" min. thick)	Eagle Seal Mine Sealant or any silicate based MSHA Suitable Sealant
Babb International, Inc	ST22/01		Lightweight Block – flat or tongue & groove (6" min. thick)	Eagle Seal Mine Sealant or any silicate based MSHA Suitable Sealant
Peerless Block & Brick	ST24/00		Lightweight Block (7" thick min.)	Pyro Chem TC, Proseal HT or any other silicate base MSHA Suitable Sealant
DAP Products	ST25/00		Standard 6" wide (min.) Hollow Core or Solid Concrete Block	DAP Products: "Touch n' Seal Mine Block Mortar" (MBM)
Promat	ST27/00		PROMAT-H Panels	Steel Supports
Xella	ST30/00	AAC2 Block	Lightweight Block – Tongue & Groove (6" min. thick)	Joint Mortar Convenience Products – Touch' n Seal Mine Block Mortar" MSHA #ST25/0 (MBM)
Xella	ST30/01	AAC2 or AAC4 Block	Lightweight Block – Flat or Tongue & Groove (6" min. thick)	Eagle Seal Mine Sealant or any silicate based MSHA Suitable Sealant
Xella	ST30/02	AAC2 Block	Lightweight Block – Flat or Tongue & Groove (6" min. thick)	Xella Thin Bed Mortar
Precision Mine Repair	ST31	PRECISION 3D panel	Gunite and steel mesh over foam core	1½ inch Gunite
Strata Mine Services	ST33	EPS foam panel	Gunite and steel mesh over foam core	1½ inch Gunite
RJ Temper	ST34	RJ Temper Overcast	TEKNITE over expanded steel & steel channel	TEKNITE (only)

Manufacturer	Suitability Number	Trade Name	Bulk Stopping Material	Sealant and/or mortar*
GMS Mine Repair & Maintenance	ST35	GMS Steel Overcast	Modular steel overcast	“Touch’N Seal Mine Foam” MSHA-S17/02
GMS Mine Repair & Maintenance	ST35/1	GMS Gunite Overcast	rebar (steel) frames shot with gunite	Gunite
JennMar	ST36/01	JennMar Metal Stoppings	Galvanized steel panels	To be used with MSHA suitable sealants
Quaker Chemical	ST39/01	Q-Bond	6x8x16 to 8x8x16 concrete masonry units	Quaker Q-Bond mortar

*Mortars are for use between blocks in an assembly, and may or may not also be suitable for sealing the surface.

**This sealant is not non-combustible, and should be used for air sealing only.