

Mine Safety & Health Administration
Approval & Certification Center
Engineering & Testing Division

Inspection Information for *AERCON Lightweight Block Stopping

(Revised 4/21/03)

This stopping is constructed in the same manner as a traditional block and mortar stopping except that this stopping system uses dry stacked AERCON lightweight block with sealant, or YTONG lightweight block with a thin bed mortar to construct the ventilation stopping.

- 1) This is a traditional style block stopping except:
 - a. The Ytong block is a lightweight block.
 - b. When used, the mortar is a AERCON polymer modified cementitious thin bed mortar.
- 2) The following is a list of the suitable constructions:

AERCON BLOCK	MORTAR	SEALANT (dry/stacking)
8 x 8 x 24 flat ends	Elite Cement Products "Premixed Acrylic Thinbed Mortar or AERCON polymer modified cementitious thin bed: 1/8" thick	none
8 x 8 x 24 flat ends	no	"Brattiskote" 1/8" thick
8 x 8 x 24 flat ends	no	FOSROC "Trowel Grade FB Airtite" 1/8" thick
6 x 8 x 24 flat or tongue & groove	no	Quikrete "Redi-Seal Mine Sealant" 1/8" thick
6 x 8 x 24 flat or tongue & groove	Elite Cement Products "Premixed Acrylic Thinbed Mortar or AERCON polymer modified cementitious thin bed: 1/8" thick	no
8 x 8 x 24 flat or tongue & groove	no	Quikrete "Redi-Seal Mine Sealant" 1/8" thick
6 x 8 x 24 flat or tongue & groove	no	Quikrete "BlocBond" 1/8" thick

- 3) When dry stacked, sealant is applied full face to the high pressure side, or both sides of the stopping at a

thickness listed..

3) Look for:

- a. Cracks or voids in existing sealant, mortar or block.
- b. Evidence of spalling or failure of sealant to adhere to the block.
- c. Openings or voids around the perimeter of the stopping.

***Was Ytong, then BABB now AERCON**