

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

Inspection Information for CELCON Lightweight Block Stopping

(Revised 10/17/00)

This stopping is constructed in the same manner as a traditional block and mortar stopping except that this stopping system uses dry stacked CELCON block with sealant to construct the ventilation stopping.

- 1) This is a traditional style block stopping except:
 - The CELCON block is a lightweight block.
- 2) The following is a list of the suitable construction:

H + H Celcon Ltd. Block	MORTAR	SEALANT (dry-stacking)	OPTIONAL SEALANTS (dry stacking)
6" wide (min.) x 8½" high x 17¼" long	none	DuPont "YTF 90 Mine Sealant" 1/8" min. thick	Any MSHA listed <u>silicate</u> based strength enhancing sealant can be used - check list for thickness

- 3) The sealant is applied full face to the high pressure side, or both sides of the stopping at a thickness listed..
- 4) 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.