

**Touch
'nSeal[®]**



POLYURETHANE MINE STOPPING ADHESIVE



Mine Block Mortar provides an air-sealing bond between concrete blocks in underground coal mine ventilation stoppings.

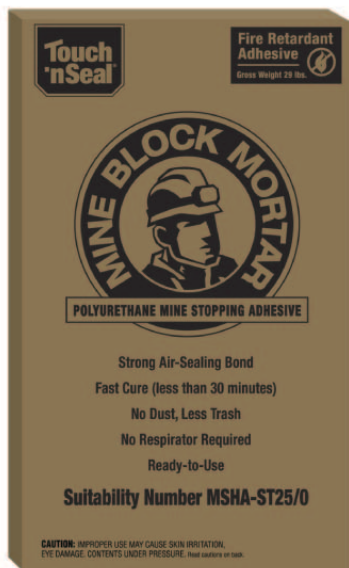
Touch 'n Seal® Mine Block Mortar is a superior, single component, polyurethane mine ventilation stopping adhesive. It quickly provides a strong air sealing bond between concrete blocks used in underground coal mine ventilation stoppings. Mine Block Mortar bonds standard block, replacing traditional mortar and strength-enhancing surface skim coating found in most underground coal mines. It can also be used in underground, non-gassy, metal and non-metal mines. It is fire retardant and meets air quality standards when used according to manufacturer's recommendations. Mine Block Mortar can also be used to repair and air seal mortar joints.

strong bond to solid and hollow core concrete block. It may be coated with an MSHA-listed "Suitable Sealant".

NOTE: Use Touch 'n Seal Mine Foam to insure complete air sealing of minor cracks and air leaks in accordance with the approved ventilation plan.

VALUE ADDED: Currently concrete blocks are installed using traditional mortars or they are dry stacked and coated with a calcium carbonate/gypsum/sodium silicate paste. Seasonal changes in humidity and temperature cause surface coating failures that require replacement or repair approximately every six months. Touch 'n Seal Mine Block Mortar:

- Provides a fast, strong bond.
- Is not affected by moisture or temperature conditions after curing.
- Quickly increases wall strength.
- Air seals between blocks.
- Is easy to use and does not require any special skills or tools.
- Cuts labor time in half.
- Is safer for stopping construction crews – no heavy pails or bags, no dust, no mixing, no water, no tools, no clean-up!
- Is faster, safer and cleaner than traditional methods.
- Is more economical, saves money.
- Reduces material handling and potential back strain injuries.
- Does not tie up underground delivery vehicles.
- Cures very fast; usually in less than 30 minutes.
- Increases speed and quality of installation.
- Is fire retardant.



PACKAGING:

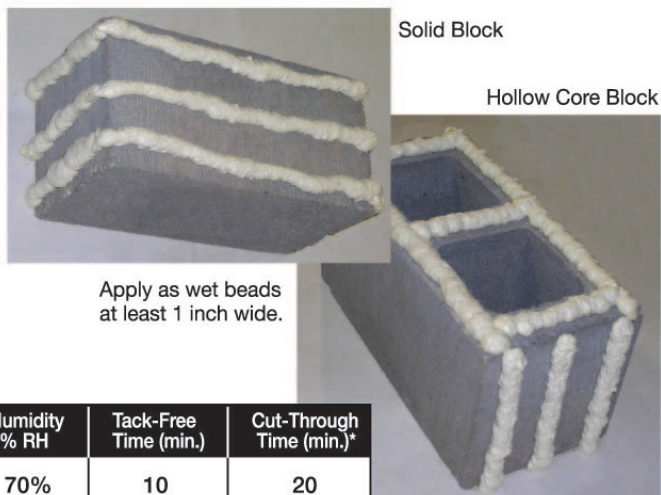
Item No. 4004517160 – single component cylinder containing 20 lbs. of adhesive (29 lbs. gross wt.), complete with 10 ft. hose and applicator gun.

MSHA Suitability No. ST25/0

APPLICATION METHODS:

Underground Coal Mines: Lay up block as per standard building practices for mine ventilation stoppings. Apply a minimum of three (1-inch wide) wet beads as shown in photos (i.e. around both sides, top and bottom of block) to insure full coverage and complete bonding around the whole block when set in place. Set block within 5 minutes.

Underground Non-Gassy, Metal and Non-Metal Mines: Follow the same application and installation directions as for underground coal mines. In addition to using with solid and hollow core concrete block, Mine Block Mortar has been used with "Omega", aerated, autoclaved and light-weight concrete block in both regular and "super" stoppings in underground non-gassy, metal and non-metal mines.



Humidity % RH	Tack-Free Time (min.)	Cut-Through Time (min.)*
70%	10	20
50%	14	30
30%	25	50

*Based on minimum time to cut through a cured 1" bead.

TECHNICAL DATA:

- MSHA-listed "Stopping Mortar" for underground coal mines
 - use with 6" or larger standard solid concrete block
 - use with 6" or larger standard hollow core block
- NIOSH-approved for use as a sealant in non-gassy, metal and non-metal underground mines.
 - use with 6" or larger standard concrete block
 - use with standard hollow core block
 - use with "Omega" block
- Maximum service temperature of cured foam: 240°F (116°C)
- UL-classified 723 (ASTM E-84)
 - Flame Spread.....10 Smoke Density.....10
- ASTM E-119 (1 hour exposure)
- ASTM E-72-80
- Shelf life: 12 months
- Open time: up to 14 minutes at 45-55% RH
- Class 1 foam
- Contains no urea formaldehyde
- Labeled in accordance with Federal Hazardous Substance Labeling Act
- Solvent-free
- No respirator required

LIMITATIONS: Do not use as a ventilation sealant between ribs, roofs, floors and stoppings, overcasts or seals.* Do not use in standing water. Store between 70-90°F. For best results, chemical temperature should be 70-80°F, ambient temperature should be 60-90°F.

* Use Touch 'n Seal Mine Foam to seal stoppings, overcasts and seals.