

| Product                                    | Description                                                                                                                                                                                                            | Service Temp.                        | Material Requirements                                                                                                              | Containers                                                                       |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| GRIPTEX®<br>Block                          | A high temperature mineral fiber block insulation with excellent thermal qualities for use through a full range of temperatures up to 1900 F.                                                                          | 1900 F                               | Standard Sizes: 6" x 18", 6" x 36", 12" x 18", 12" x 36", 18" x 24", 18" x 36", 24" x 36". Thickness: 1" to 4" in 1/2" increments. | Tear-Tape Cartons.                                                               |
| TEMPUTE®<br>Block                          | A light density spun mineral fiber block insulation, combined with suitable binders for use temperatures up to 600 F.                                                                                                  | 600 F                                | Standard Sizes: 6" x 18", 6" x 36", 12" x 18", 12" x 36", 18" x 24", 24" x 36". Thicknesses: 1" to 2 1/2" in 1/2" increments.      | Tear-Tape Cartons.                                                               |
| DETROC®<br>Asbestos Board                  | An extremely strong and durable high temperature asbestos board used for fire resistant structural purposes.                                                                                                           | 1200 F                               | Standard Sizes: 4' x 8' sheets, 1/4" and 1/2" thicknesses.                                                                         | 4' x 8' frames. 1/4" thick. 10 sheets per frame; 1/2" thick. 5 sheets per frame. |
| SUPER 711®<br>Insulating Cement            | High temperature mineral fibers combined with asbestos and suitable binders to form an effective high temperature plastic insulation.                                                                                  | 1800 F                               | 50 sq. ft. 1" thick per 100 lbs.                                                                                                   | 50 lb. multi-ply paper bags.                                                     |
| UTILITY<br>Thermal Finish Cement           | One coat type thermal finish cement that provides a clean, smooth, durable surface. Hydraulic setting.                                                                                                                 | 1200 F                               | 39 sq. ft. 1/2" thick per 50 lbs.                                                                                                  | 50 lb. multi-ply paper bags.                                                     |
| MILITE®<br>Insulating and Finishing Cement | A flexible, one coat type, hydraulic setting insulating and finishing cement. Excellent over Cal-Sil blocks.                                                                                                           | 1400 F                               | 43 sq. ft. 1/2" thick per 50 lbs.                                                                                                  | 50 lb. multi-ply paper bags.                                                     |
| MHD®<br>Finishing Cement                   | A hydraulic setting asbestos cement which provides a smooth, hard, white protective coating over other insulations.                                                                                                    | 1000 F                               | 31 sq. ft. 1/2" thick per 50 lbs.                                                                                                  | 50 lb. multi-ply paper bags.                                                     |
| NO. 7<br>Asbestos Cement                   | A straight asbestos fiber cement used as a white finish coat over other forms of insulation.                                                                                                                           | 1000 F                               | 48 sq. ft. 1/2" thick per 100 lbs.                                                                                                 | 100 lb. pressure packed paper bags.                                              |
| PYROSCAT®<br>Fireproofing Cement           | A hydraulic setting lightweight fireproofing protective treatment for structural steel and other exposed applications.                                                                                                 | 2100 F                               | 45 lb. per cu. ft.                                                                                                                 | 50 lb. paper bags.                                                               |
| DECRETE®<br>Castable Insulations           | A series of hydraulic setting castable insulations made of high temperature aggregates and binders. Furnished in three types: #30, #40 and #50.                                                                        | 2100 F                               | #30 - 29 lb. per cu. ft.<br>#40 - 40 lb. per cu. ft.<br>#50 - 45 lb. per cu. ft.                                                   | 50 lb. paper bags.                                                               |
| ASBESTOS ROPES                             | Available in two types: blue fiber for chemical resistance and white fiber for normal usage. Used as a flexible insulation and seal.                                                                                   | 1000 F                               | 1/2", 3/4", 1", 1 1/2" and 2" diameters.                                                                                           | 100 ft. coils.                                                                   |
| MINERAL FIBER BLANKETS                     | Manufactured from spun mineral fibers felted in large flat sheets and encased between metal fabrics. Factory fabricated to assure uniformity, flexibility and strength.                                                | 1200 F                               | Standard Sizes: 24" x 48" and 24" x 96". Thicknesses: 1" to 6" in 1/2" increments.                                                 | Corrugated Cartons.                                                              |
| MINERAL FIBER FELT                         | Manufactured of spun mineral fibers that are felted and bonded together. Furnished in 6# and 8# densities.                                                                                                             | 450 F                                | Standard Sizes: 24" x 48" and 24" x 96". Thicknesses: 1", 1 1/2" and 2 1/2".                                                       | Paper Sleeve. Wrapped or Corrugated Cartons.                                     |
| MINERAL FIBER<br>Loose and Granulated      | Light, resilient insulating mineral fibers. Loose form for hand packing—granulated form for hand packing and blowing.                                                                                                  | 1600 F                               | Approximately 10 lb. per cu. ft.                                                                                                   | 40 lb. paper bags.                                                               |
| PERMISEAL®                                 | A fire safe asphaltic insulation sealer and weather-coating of the chemical dispersion type. Supplied in one consistency suitable for brush, trowel, or spray.                                                         | 300 F                                | 10 sq. ft. 1/4" thick per gallon-wet.                                                                                              | 5 gallon pails. 54 gallon (plastic lined) drums.                                 |
| THERMAL COAT                               | A breathing type asphalt protective weather coating. Dries to a black, odor-free water resistant finish. Furnished in summer and winter grades.                                                                        | 400 F                                | 5-6 sq. ft. 1/4" thick per gallon-wet.                                                                                             | 5 gallon pails. 30 gallon drums. 55 gallon drums.                                |
| DURISEAL®                                  | A special blend of asphalt mastics used primarily as a flashing compound or protective sealer over insulations or masonry. Standard or high temperature grades in either spray or trowel consistency. Vapor seal type. | Std.<br>350 F<br>High Temp.<br>500 F | 5-6 sq. ft. 1/4" thick per gallon-wet.                                                                                             | 5 gallon pails. 30 gallon drums. 55 gallon drums.                                |



# PLAINTIFF'S EXHIBIT

MHD-215

Phone: RA 6-6974

M. H. DETRICK CO./INSULATION DIVISION  
111 W. Washington St., Chicago 2, Ill.

## DISTRICT OFFICES:

NEW YORK 7, New York  
50 Church St.  
CO 7-4870  
CLEVELAND 15, Ohio  
937 Schofield Bldg.  
MA 1-1390

HOUSTON 25, Texas  
2284 W. Holcombe Blvd.  
MA 3-4484  
TULSA, Oklahoma  
1131 S. Norwood Ave.  
TE 6-2588

AUTHORIZED CONTRACTORS AND DISTRIBUTORS IN PRINCIPAL CITIES

*Insulation Designed*  
*. . . with the Application in Mind*



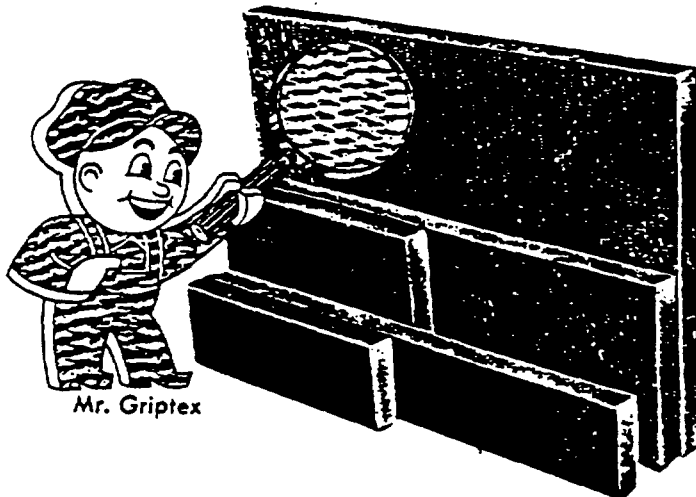
**DETRICK**  
**industrial**  
**INSULATIONS**

M. H. DETRICK CO. . . INSULATION DIVISION . . CHICAGO 2, ILL.



# GRIPTEX\*

## BLOCK INSULATION



Mr. Griptex

### PHYSICAL PROPERTIES

|                                   |                            |
|-----------------------------------|----------------------------|
| Service Temperature.....          | 1900 F                     |
| Compressive Strength.....         | 18 psi                     |
| Breaking Strength (10" span)..... | 30 lb. per in. thick       |
| Shrinkage (Linear at 1900 F)..... | 1.6%                       |
| Density.....                      | 1.8 lbs. per bd. ft.       |
| Stability.....                    | Inert, durable             |
| Resistance to Moisture.....       | Water Repellent            |
| Resistance to Corrosion.....      | Non-corrosive              |
| Handling Characteristics.....     | Less dusting—Less breakage |

### Thermal Conductivity (Btu in. per sq. ft. per F per hr.)

|                              |     |
|------------------------------|-----|
| Mean Temperature 200 F.....  | .37 |
| Mean Temperature 600 F.....  | .49 |
| Mean Temperature 1000 F..... | .75 |

### TEAR TAPE CARTON

Griptex block is packaged in easy-to-open tear-tape cartons. This easy-to-open carton simply zips in half, forming two convenient containers. There's less waste, less damage, no loss time.



### DESCRIPTION

Griptex block insulation is composed of flexible mineral fibers combined with other high temperature materials. Designed for use on all types of heated equipment through a full range of temperatures to 1900 F. A high temperature block insulation of low conductivity and high strength.

### FEATURES

- **Griptex finish** Rugged embossed surface gives better handling strength, less dust, stronger adhesion of cement finishes. Wire netting as bond for cement finishes can often be eliminated.
- **Flexibility** Springy type structure actually flexes with expansion and contraction.
- **Chemically stable** Griptex mineral fiber block is not corrosive. This is especially important when used with aluminum jacketing; asphaltic barrier between block and aluminum can be eliminated.
- **Water repellent** Hydraulic setting cements and castable refractories may be applied directly to Griptex without premature loss of mixing water required for proper curing.
- **Easy to fabricate** Griptex can be formed into any desired shape on the job with a knife—can be pressed over bolt heads and projections without cutting.
- **Impaling qualities** Griptex is easily impaled over welded pins without pre-drilling.
- **Excellent thermal properties** Griptex manufacturing process produces a felted fiber structure which results in maximum resistance to heat penetration.

### STANDARD SIZES

Griptex block is furnished in a larger range of standard sizes than is normally offered. Waste and job cutting are substantially reduced.

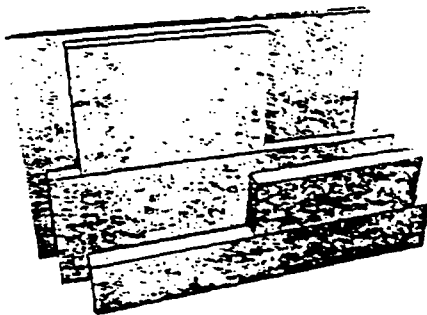
|                 |           |           |
|-----------------|-----------|-----------|
| Standard Sizes— | 6" x 18"  | 6" x 36"  |
|                 | 12" x 18" | 12" x 36" |
|                 | 18" x 24" | 18" x 36" |
|                 |           | 24" x 36" |

Thicknesses— 1", 1½", 2", 2½", 3", 3½", 4"



\*A Detrick trade name

## TEMLITE\* BLOCK INSULATION



### DESCRIPTION

Temlite is a light density block insulation designed for temperatures to 600 F. Composed of spun mineral fibers combined with waterproofing binders forming a block that is moisture and corrosion resistant.

### PHYSICAL PROPERTIES

|                                  |                   |
|----------------------------------|-------------------|
| Service Temperature.....         | 600 F             |
| Sintering Temperature.....       | 1400 F            |
| Shrinkage (Linear at 600 F)..... | None              |
| Density.....                     | 8 lb. per cu. ft. |
| Resistance to Moisture.....      | Water Repellent   |
| Resistance to Corrosion.....     | Non-corrosive     |
| Handling Characteristics.....    | Excellent         |

### Thermal Conductivity

(Btu in. per sq. ft. per F per hr.)

|                             |     |
|-----------------------------|-----|
| Mean Temperature 100 F..... | .24 |
| Mean Temperature 200 F..... | .30 |
| Mean Temperature 300 F..... | .35 |

### FEATURES

- **Easy to apply** Can be impaled over pins or secured in place with metal bands. May be pressed over bolt heads and small projections without cutting.
- **Water repellent** Silica fiber structure and waterproofing binders keep moisture out.
- **Non-corrosive** Temlite block is corrosive resistant to all metals. Will not affect aluminum foil.
- **Efficient** The felted fiber composition provides maximum resistance to heat penetration.

Standard Sizes— 6" x 18" 6" x 36"  
12" x 18" 12" x 36"  
18" x 24" 24" x 36"

Thicknesses— 1", 1 1/2", 2", 2 1/2"

Packaged in easy-to-open tear tape cartons.

## DETROCK\* ASBESTOS BOARD



### DESCRIPTION

Detrock is a durable, non-combustible board insulation having good thermal properties and high structural strength. Composed of long amosite asbestos fibers and siliceous binders combined under pressure by an autoclave process.

### PHYSICAL PROPERTIES

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Service Temperature.....                    | 1000 F.                                    |
| Fusion Temperature.....                     | 2100 F.                                    |
| Density.....                                | 44 lbs. per cu. ft.                        |
| Flexural Strength (6" wide x 10" span)..... | 2900 psi—1/4" thick<br>2650 psi—1/2" thick |
| Thermal Conductivity.....                   | .75 to .85                                 |
| (Btu in. per sq. ft. per F per hr.)         |                                            |

### FEATURES

- **Fire Protection** Detrock is an ideal fire protection material. It will not smoke, char or support combustion in any way. Has zero classification for smoke and flame spread per A.S.T.M. test E-84.
- **Chemical Resistance** High resistance

to acids and alkalis, unaffected by brine or chlorine.

➤ **Excellent Workability** Detrock may be sawed, drilled, painted and sanded. Can be bent to gently curved contours. May be nailed or screwed without pre-drilling.

### STANDARD SIZES

Boards 4' x 8'; thicknesses 1/4" and 1/2".  
Packed in standard crates or frames:  
1/4" boards 10 to frame; 1/2" boards 5 to frame

\*A Detrick trade name



# CEMENTS

## Super 711 INSULATING CEMENT



## UTILITY THERMAL FINISH CEMENT



### DESCRIPTION

A mixture of high temperature mineral fibers especially processed into resilient nodules, combined with asbestos and suitable binders to form a plastic type insulation for temperatures to 1800 F.

### USES

The addition of water, in accordance with directions, produces a material suitable for trowel application. It is an ideal insulation for flat as well as uneven surfaces such as valves and fittings. Has excellent workability—will not slip or roll and may also be gunned in place.

### FEATURES

- Easy to apply Super 711 has excellent adhesive qualities resulting in a better job, in less time, from wet to dry.
- Maximum coverage The resilient nodules of mineral fiber do not collapse when mixed with water. This feature assures maximum coverage and low shrinkage.
- Versatile Can be applied over block, blanket or felt type insulation. An excellent material to fill open joints and to provide a monolithic surface for whatever type of finish is specified. Will not corrode steel surfaces and is non-combustible.

### PHYSICAL PROPERTIES

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Service Temperature.....              | 1800 F                           |
| Dry Coverage.....                     | 50 sq. ft. 1" thick per 100 lbs. |
| Compressive Strength.....             | 45 psi                           |
| Shrinkage (wet to dry by volume)..... | 15%                              |
| Adhesion to steel.....                | 6 psi (wet) 9 psi (dry)          |

### Thermal Conductivity

(Btu in. per sq. ft. per F per hr.)

|                             |     |
|-----------------------------|-----|
| Mean Temperature 200 F..... | .5  |
| Mean Temperature 400 F..... | .62 |
| Mean Temperature 600 F..... | .77 |
| Mean Temperature 800 F..... | 1.0 |

### DESCRIPTION

Consists of high-quality mineral fibers, hydraulic binders and other suitable materials. Combines flexibility, high temperature resistance and insulating qualities with strength, low shrinkage and smooth finish of hydraulic setting cement. For temperatures to 1200 F.

### USES

Usually applied in one application. Designed for use over Griptex block and blankets. It is also used on valves and fittings as well as heated equipment. Ideal as an anti-sweat insulation on cold water tanks, pumps, etc. Provides a clean, smooth, durable finish and has no excessive surface cracking or shrinkage.

### FEATURES

- One-coat application Utility insulates, protects and finishes in one easy application. Provides a clean, smooth, durable surface has high compressive strength and excellent thermal qualities.
- Sets fast Its quick-setting develops a protective finish a few hours after application without the presence of heat. Occasional wetting does no damage after hydraulic set. Saves time in applying weatherproofing, paint and other finishes.
- Easy to apply Designed with the application in mind. Utility may be palmed, trowelled or gunned for easy finishing. Good wet adhesion to clean steel surfaces facilitates application to valves, fittings and heated equipment.
- Hard finish Utility dries to a uniform hard finish with a light reflectant surface which, as an interior finish, needs no further treatment. Weatherproofing is required on outdoor applications.

### PHYSICAL PROPERTIES

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| Service Temperature.....                    | 1200 F                            |
| Dry Coverage.....                           | 39 sq. ft. 1/2" thick per 50 lbs. |
| Compressive Strength (10% deformation)..... | 135 psi                           |
| Shrinkage (Wet to Dry by volume).....       | Less than 2%                      |
| Setting Time.....                           | 2 to 4 hours                      |

### Thermal Conductivity

(Btu in. per sq. ft. per F per hr.)

|                             |     |
|-----------------------------|-----|
| Mean Temperature 200 F..... | .52 |
| Mean Temperature 400 F..... | .65 |
| Mean Temperature 600 F..... | .79 |

*Insulations Designed... with the Application in Mind*

## INSULATING AND FINISHING CEMENT



## PYROSCAT\* FIREPROOFING CEMENT



\* A Detrick trade name

### DESCRIPTION

Composed of fine nodule, high temperature mineral fiber, hydraulic binders, and other suitable materials. Hilite successfully combines the excellent low shrinkage, smooth finish, and wet strength properties of a one-coat insulating finish cement with the flexibility, high temperature resistance, and thermal qualities of mineral fiber insulating cement. For temperatures to 1400 F.

### USES

May be applied as single layer. Develops a tight bond on block, blanket insulation and insulating cement. Widely used for insulating valves, fittings, heated equipment, pumps, etc. Especially suitable for use over calcium silicate or 85% magnesia insulation products.

### FEATURES

- One-coat application Hilite is a hydraulic setting material designed for single layer application and can be used as both an insulating and finishing type cement. An ideal material for use on calcium silicate, 85% magnesia or mineral fiber products.
- Easy to apply Hilite is readily trowelled on flat surfaces and easily palmed on valves, fittings and irregular surfaces. The one-coat application results in definite economies on the job.
- Sets fast Hilite develops a smooth, durable, protective finish within a few hours after application. Because of its hydraulic bond it does not require heat for setting.
- Finish Hilite dries to a smooth, light reflectant surface which requires no further treatment as an interior finish. When thoroughly dry the finish may be painted if desired. Out-door applications should be weather protected. Low temperature installations require a vapor seal type finish.

### PHYSICAL PROPERTIES

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| Service Temperature.....                    | 1400 F                            |
| Dry Coverage.....                           | 43 sq. ft. 1/2" thick per 50 lbs. |
| Compressive Strength (10% deformation)..... | 75 psi                            |
| Shrinkage.....                              | Less than 2%                      |
| Setting Time.....                           | 2 to 4 hours                      |

### Thermal Conductivity

|                                     |     |
|-------------------------------------|-----|
| (Btu in. per sq. ft. per F per hr.) |     |
| Mean Temperature 200 F.....         | .51 |
| Mean Temperature 400 F.....         | .63 |
| Mean Temperature 600 F.....         | .78 |

### DESCRIPTION

A preblended mixture of high temperature aggregates, asbetos fibers, hydraulic binders and other materials. Shipped in 50 lb. bags as a uniform dry mixture which is ready for application when mixed, with water at job site. Underwriters' Laboratory tested.

### USES

Pyroscat provides a light weight, fire retardent treatment on all types of structural steel surfaces. Sets up as a hard durable sheath capable of withstanding the 2000 F. flame temperatures and high pressure water streams encountered in industrial fires.

### FEATURES

- Safe Will not spall or shatter after direct flame and high pressure water exposure.
- Light weight Pyroscat is a light weight material weighing less than one-third of concrete fireproofing.
- Easy application Application by trowelling, gunning or cast methods. Pyroscat does not require subsequent finishes of heavy mastic coatings.
- Durable Pyroscat develops high strength that easily withstands repeated freeze and thaw weathering tests.

### PHYSICAL PROPERTIES

|                                       |                     |
|---------------------------------------|---------------------|
| Fusion Temperature.....               | 2200 F              |
| Material Required.....                | 45 lbs. per cu. ft. |
| Compressive Strength (Air Cured)..... | 1650 psi            |
| Lineal Shrinkage (Air Cured).....     | Less than 1%        |
| Setting Time.....                     | 4 to 6 hours        |

### RECOMMENDED THICKNESSES

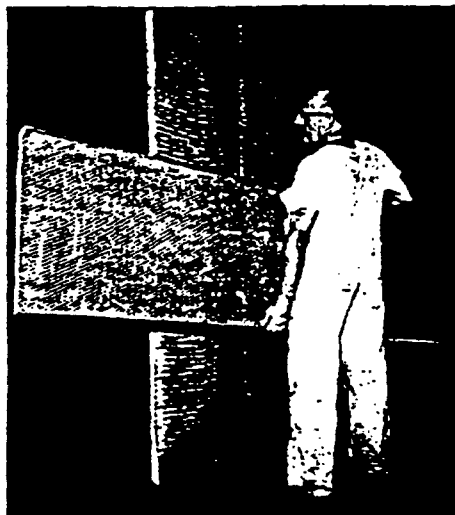
Recommended Pyroscat thicknesses were determined by physical tests on gunned, cast, and trowelled applications, including direct exposure to 100 psi hose pressures both before and after exposure to severe flame conditions.

| Thickness of Pyroscat | Approximate Fire Resistance |
|-----------------------|-----------------------------|
| 1"                    | 2 hours                     |
| 1 1/4"                | 3 hours (UL-R-3960)         |
| 2"                    | 4 hours                     |

(Underwriters' Laboratories tested)



## OTHER PRODUCTS



### DESCRIPTION

Manufactured from spun mineral fibers, felted in large flat sheets and encased between securely attached metal fabrics. Improved manufacturing methods provide a blanket with strong, uniform edges. Can be furnished in densities and thicknesses to meet job requirements.

### PHYSICAL PROPERTIES

|                                  |                    |
|----------------------------------|--------------------|
| Service Temperature (Heavy Duty) | 1200 F             |
| (Light Duty)                     | 600 F              |
| Density Average (Heavy Duty)     | 8 lbs. per cu. ft. |
| (Light Duty)                     | 6 lbs. per cu. ft. |

### Thermal Conductivity

(Btu in. per sq. ft. per F per hr.)

|                        | Heavy Duty | Light Duty |
|------------------------|------------|------------|
| Mean Temperature 100 F | .24        | .25        |
| Mean Temperature 300 F | .35        | .38        |
| Mean Temperature 500 F | .47        | .52        |

### STANDARD SIZES

24" x 48" and 24" x 96". Thicknesses: 1" to 6" in 1/2" increments.

### AVAILABLE STYLES

| Style No. | Metal Reinforcements                      |
|-----------|-------------------------------------------|
| 1         | 1" Wire Mesh on Both Sides                |
| 1a        | 1" Wire Mesh on One Side—Plain other side |
| 2         | 1" Wire Mesh and Stucco Lath              |
| 2a        | 1" Wire Mesh and Expanded Lath            |
| 3         | Stucco Lath—Both Sides                    |
| 3a        | Expanded Lath—Both Sides                  |
| 3b        | Stucco Lath and Expanded Lath             |
| 4         | Expanded Lath One Side—Plain other side   |
| 4a        | Stucco Lath One Side—Plain other side     |

Other styles and finishes, such as rib lath on one or both sides, or any other combination of metal reinforcing are available upon special request.

Manufactured from spun mineral fibers and waterproof binders which are felted and bonded together in flat sheets. Low thermal conductivity, moisture and corrosive resistant. Furnished in 6 lb. and 8 lb. densities. Suitable for temperatures from zero to 450 F.

### STANDARD SIZES

24" x 48" and 24" x 96". Thicknesses: 1" to 2 1/2" in 1/2" increments.

Lightweight, efficient insulating fibers. Resilient structure, with countless air spaces, assure exceptionally low thermal conductivity. Fireproof, chemically stable and do not readily absorb moisture. Furnished in loose type for hand packing. Granulated type can be used for hand packing, pouring or pneumatic methods. Suitable for temperatures to 1600 F.

A series of castable insulations composed of high temperature aggregates and binders. Hydraulic setting materials which form a ceramic bond when heat is applied. Produces a strong lightweight mass which combines high insulating qualities with excellent heat resistance and strength. Furnished in densities of 30 lbs., 40 lbs., and 50 lbs., for a full range of thermal and physical strength requirements.

Available in two compositions, each with outstanding characteristics for specific applications. Blue crocidolite fiber rope is unsurpassed for resistance to most acids, caustics and other corrosive materials. White amosite fiber has excellent heat resistant properties and is used where chemical resistance is not important. Constructed of 100% pure fiber without organic fillers or binder added.

A pre-mixed combination of asbestos fibers and hydraulic setting binders ready for addition of water at the job site. Provides a smooth, hard, white protective coating which may be painted or covered with canvas if desired. Has a service temperature of 1000 F. Setting time from two to four hours after mixing.

*Insulations Designed....with the Application in Mind*

MINERAL FIBER FEELS

MINERAL FIBERS  
loose and granulated

DECRETE CASTABLES

ASBESTOS ROPE

MHD  
FINISHING CEMENT

© A. Detrick trade name

## FIRE-SAFE ASPHALT COATING



### DESCRIPTION

An all-purpose weatherproofing and corrosive resistant protective coating. Manufactured of refined petroleum asphalt suspended to form a non-breaking chemical dispersion. Contains rust inhibiting agents and other ingredients to promote flexibility, resistance to oxidation and resistance to slip and sag. Ready to use. Will not separate in storage; undamaged by freezing. May be brushed, sprayed or trowelled. Service temperature 300 F.

### ADVANTAGES

High adhesion strength, provides physical barrier against electro-chemical corrosion of aluminum. Resists common rusting, salt spray and most acids and alkalis. Contains no flammable solvents. Forms an excellent vapor seal after proper curing. Will not crack, harden or alligator. One gallon covers 20 sq. ft.  $\frac{1}{8}$ " thick-wet, or 10 sq. ft.  $\frac{1}{4}$ " thick-wet. Blended in one consistency for brush, trowel or spray application. Dries to touch in four hours under normal conditions.

### THERMAL COAT\*

An asphalt base water emulsion usually referred to as a breathing type mastic weathercoating. A durable fire resistant coating for insulation; seals insulation against weather but does not form vapor seal to prevent escape of trapped moisture. Service temperature 400 F.

### DURISEAL\*

A special blend of asphalt mastics used primarily as a flashing compound or protective sealer over insulation or masonry. Standard or high temperature grades in either spray or trowel consistency. Vapor seal type. Service temperature for standard 350 F; for high temperature 500 F.

### SPECIFICATIONS

| PRODUCT                          | FEDERAL                     | MILITARY            | A.S.T.M.               | COMMERCIAL STANDARDS |
|----------------------------------|-----------------------------|---------------------|------------------------|----------------------|
| Griptex® Block                   | HH-I-564 Class B-C-D        | MIL-I-2819 Class b  | C-392 Class 2          | CS-117 Class A-C-D   |
| Templite® Block                  | HH-I-564 Class A-B          |                     | C-392 Class 1          | CS-117 Class A       |
| Super 711®<br>Insulating Cement  | HH-C-168                    |                     | C-195                  | CS-117 Class C-E     |
| Utility<br>Thermal Finish Cement |                             | MIL-C-2908A Type II | C-449                  |                      |
| MHD®<br>Finishing Cement         |                             | MIL-C-2908A Type I  | C-194                  |                      |
| Mineral Fiber Blanket            | HH-I-563 Type I Class A-B-C | MIL-I-2818          | C-263                  | CS-117 Class B-C     |
| Mineral Fiber Felt               | HH-I-563 Type II Class D    | MIL-I-16688-C       | C-382 Type 2 Class 4-5 | CS-117 Class A       |
| Mineral Fiber Loose              | HH-I-521c Type II           |                     |                        | CS-117 Class B       |
| Mineral Fiber Granulated         | HH-I-521c Type III          |                     |                        | CS-117 Class B       |

\*A Detrick trade name

# DETRICK INSULATIONS

| Product                                 | Description                                                                                                                                                                                                            | Service Temp.                        | Material Requirements                                                                                                                | Containers                                                                       |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| GRIPTEX® Block                          | A high temperature mineral fiber block insulation with excellent thermal qualities for use through a full range of temperatures up to 1900 F.                                                                          | 1900 F                               | Standard Sizes: 6" x 18", 6" x 36", 12" x 18", 12" x 36", 18" x 24", 18" x 36", 24" x 36". Thicknesses: 1" to 4" in 1/2" increments. | Tear-Tape Cartons.                                                               |
| TEMPLITE® Block                         | A light density spun mineral fiber block insulation, combined with suitable binders for use temperatures up to 600 F.                                                                                                  | 600 F                                | Standard Sizes: 6" x 18", 6" x 36", 12" x 18", 12" x 36", 18" x 24", 24" x 36". Thicknesses: 1" to 2 1/2" in 1/2" increments.        | Tear-Tape Cartons.                                                               |
| DETROC® Asbestos Board                  | An extremely strong and durable high temperature asbestos board used for fire resistant structural purposes.                                                                                                           | 1200 F                               | Standard Sizes: 4' x 8' sheets, 1/4" and 1/2" thicknesses.                                                                           | 4' x 8' frames. 1/4" thick, 10 sheets per frame; 1/2" thick, 5 sheets per frame. |
| SUPER 711® Insulating Cement            | High temperature mineral fibers combined with asbestos and suitable binders to form an effective high temperature plastic insulation.                                                                                  | 1800 F                               | 50 sq. ft. 1" thick per 100 lbs.                                                                                                     | 50 lb. multi-ply paper bags.                                                     |
| UTILITY Thermal Finish Cement           | One coat type thermal finish cement that provides a clean, smooth, durable surface. Hydraulic setting.                                                                                                                 | 1200 F                               | 39 sq. ft. 1/2" thick per 50 lbs.                                                                                                    | 50 lb. multi-ply paper bags.                                                     |
| MILITE® Insulating and Finishing Cement | A flexible, one coat type, hydraulic setting insulating and finishing cement. Excellent over Cal-Sil blocks.                                                                                                           | 1400 F                               | 43 sq. ft. 1/2" thick per 50 lbs.                                                                                                    | 50 lb. multi-ply paper bags.                                                     |
| MHD® Finishing Cement                   | A hydraulic setting asbestos cement which provides a smooth, hard, white protective coating over other insulations.                                                                                                    | 1000 F                               | 31 sq. ft. 1/2" thick per 50 lbs.                                                                                                    | 50 lb. multi-ply paper bags.                                                     |
| NO. 7 Asbestos Cement                   | A straight asbestos fiber cement used as a white finish coat over other forms of insulation.                                                                                                                           | 1000 F                               | 48 sq. ft. 1/2" thick per 100 lbs.                                                                                                   | 100 lb. pressure packed paper bags.                                              |
| PYROSCAT® Fireproofing Cement           | A hydraulic setting lightweight fireproofing protective treatment for structural steel and other exposed applications.                                                                                                 | 2100 F                               | 45 lb. per cu. ft.                                                                                                                   | 50 lb. paper bags.                                                               |
| DECRETE® Castable Insulations           | A series of hydraulic setting castable insulations made of high temperature aggregates and binders. Furnished in three types: #30, #40 and #50.                                                                        | 2100 F                               | #30 - 29 lb. per cu. ft.<br>#40 - 40 lb. per cu. ft.<br>#50 - 45 lb. per cu. ft.                                                     | 50 lb. paper bags.                                                               |
| ASBESTOS ROPES                          | Available in two types: blue fiber for chemical resistance and white fiber for normal usage. Used as a flexible insulation and seal.                                                                                   | 1000 F                               | 1/2", 3/4", 1", 1 1/2" and 2" diameters.                                                                                             | 100 ft. coils.                                                                   |
| MINERAL FIBER BLANKETS                  | Manufactured from spun mineral fibers felted in large flat sheets and encased between metal fabrics. Factory fabricated to assure uniformity, flexibility and strength.                                                | 1200 F                               | Standard Sizes: 24" x 48" and 24" x 96". Thicknesses: 1" to 6" in 1/2" increments.                                                   | Corrugated Cartons.                                                              |
| MINERAL FIBER FELT                      | Manufactured of spun mineral fibers that are felted and bonded together. Furnished in 6# and 8# densities.                                                                                                             | 450 F                                | Standard Sizes: 24" x 48" and 24" x 96". Thicknesses: 1", 1 1/2" and 2 1/2".                                                         | Paper Sleeve. Wrapped or Corrugated Cartons.                                     |
| MINERAL FIBER Loose and Granulated      | Light, resilient insulating mineral fibers. Loose form for hand packing—granulated form for hand packing and blowing.                                                                                                  | 1600 F                               | Approximately 10 lb. per cu. ft.                                                                                                     | 40 lb. paper bags.                                                               |
| PERMISEAL®                              | A fire safe asphaltic insulation sealer and weather-coating of the chemical dispersion type. Supplied in one consistency suitable for brush, trowel, or spray.                                                         | 300 F                                | 10 sq. ft. 1/4" thick per gallon-wet.                                                                                                | 5 gallon pails. 54 gallon (plastic lined) drums.                                 |
| THERMAL COAT                            | A breathing type asphalt protective weather coating. Dries to a black, odor-free water resistant finish. Furnished in summer and winter grades.                                                                        | 400 F                                | 5-6 sq. ft. 1/4" thick per gallon-wet.                                                                                               | 5 gallon pails. 30 gallon drums. 55 gallon drums.                                |
| DURISEAL®                               | A special blend of asphalt mastics used primarily as a flashing compound or protective sealer over insulations or masonry. Standard or high temperature grades in either spray or trowel consistency. Vapor seal type. | Std.<br>350 F<br>High Temp.<br>500 F | 5-6 sq. ft. 1/4" thick per gallon-wet.                                                                                               | 5 gallon pails. 30 gallon drums. 55 gallon drums.                                |



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