125

MATERIALS

## MATERIAL SPECIFICATION SERIES 100 PREFORMED BLOCK AND PIPE

THERMAL INSULATION STANDARD ENGINEERING SPECIFICATION

ISSUED OCT 1954

REVISED JULY 1956

SN 100 M



| Code | 101* | 102* | 103 |
|---|---|---|---|
| Material | 85% Magnesia | Calcium silicate | Diatomaceous earth |
| Material Description | Hydrated basic magnesium carbonate 80% by weight minimum | Staple, cellular, calcined fire clay base | Diatomaceous earth, asbestos fiber, with bonding clay and cementing materials |
| Filler | Asbestos or glass fiber | | |
| Binder | Clay or other cementing materials 5% by weight | | |
| Temperature Range | 100°F to 500°F | 100°F to 1200°F | 500°F to 1800°F |
| K Factor | 500°F – 0.55 max. | 500°F – 0.54 max. | 500°F – 0.77 max. |
| Density | 11–14 lb. per cu. ft. | 11 lb. per cu. ft. | 24–27 lb. per cu. ft. |
| Compressive Strength | | | |
| Manufacturing Process | Machine molded or extru. Pipe mach. cut on diameter. | Machine extruded. Pipe mach. cut on diameter. | Machine molded. Pipe mach. cut on diameter. |
| Resistance to Breakage in Handling | Good | Good | Good |
| Dimensions | ASTM ** | ASTM ** | To Specification |
| Other Qualifications | | Good mechanical strength with low shrinkage. | |

The following materials have proven satisfactory in field tests and proof has been furnished by the manufacturers that their product meets the above specifications.

| | | | |
|---|---|---|---|
| | *85% Mag.* Philip Carey Mfg. Co. | *Calcilite* The Ruberoid Co. | *High Temp. No. 19* Philip Carey Mfg. Co. |
| | *Thermalite 85%* Ehret Mag. Mfg. Co., Inc. | *Kaylo* Owens-Illinois Glass Co. | *Enduro Hi-Temp.* Ehret Mag. Mfg. Co., Inc. |
| | *85% Mag.* Johns-Manville Sales Corp. | *Caltherm* Pabco Products, Inc. | *J-M Superex* Johns-Manville Sales Corp. |
| | | *Thermobestos* Johns-Manville Sales Corp. | *High Temp.* Keasby & Mattison Co. |
| | *Featherweight* Keasby & Mattison Co. | *Kaytherm* Keasby & Mattison Co. | |
| | *85% Mag.* Mundet Cork Corp. | *Tricalite* Mundet Cork Corp. | |
| | *Precision-molded* Pabco Products, Inc. | | |
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* Bands are supplied at extra cost. Order must state "without bands" if not required.

For 11" IPS and larger there is an additional charge for 2-oz. canvas cover. Material should be specified "without 2-oz. canvas" to avoid extra charge.

** New Simplified Dimensional System sponsored by ASTM

PLAINTIFF'S EXHIBIT DUP-824

Vendors and merchandise designations are given to describe materials and may not include all acceptable products. Substitutions are to be made only on approval of the authority initiating the use of this Specification.

DUPONT

DUP 1140963

SUBCOMMITTEE NO 25

DU 058452

# MATERIAL SPECIFICATION – SERIES 100



| Code | | 105 | 106 |
|---|---|---|---|
| Material | | Asbestos molded | Asbestos and diatomaceous earth molded |
| Material Description | | Compressed fluffy asbestos sprayed with sodium silicate | Compressed fluffy asbestos sprayed with sodium silicate and diatomaceous earth sprinkled on the asbestos mat |
| Filler | | | |
| Binder | | | |
| Temperature Range | | 100°F to 700°F | 700°F to 1000°F |
| K Factor | | 500°F – 0.56 max. | 500°F – 0.58 max. |
| Density | | 14 lbs. per cu. ft. | 14 lbs. per cu. ft. |
| Compressive Strength | | | |
| Manufacturing Process | | Formed and comp. on mandril. Pipe mach. cut on dia. | Formed and comp. on mandril. Pipe mach. cut on dia. |
| Resistance to Breakage in Handling | | Good | Good |
| Dimensions | | | |
| Other Qualifications | | Formed on a mandril to a predetermined wt. Pressed to obtain the desired density, and baked. | Formed on a mandril to a predetermined wt. Pressed to obtain the desired density, and baked. |
| The following materials have proven satisfactory in field tests and proof has been furnished by the manufacturers that their product meets the above specifications. | | | |
| | | *Unibestos 750* Union Asbestos & Rubber Co. | *Unibestos 1200* Union Asbestos & Rubber Co. |
| | | *Armabestos A7* Armstrong Cork Co. | *Armabestos A12* Armstrong Cork Co. |
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REV. SUP. C

DUP 1140964

DU PONT

**Code**

978 — S-clips, formed from 1 inch x 3 inch x 0.032 inch aluminum strip to accommodate a 3 inch lap (Insul-Coustic Corp.)

979 — Insul-Pins (Nelson stored Arc Div — Gregory Industries, Inc. Lorain, Ohio or Ozark Industries, Inc. Cincinnati, 41, Ohio)

980 — Techalloy all-weather breather spring-Techalloy Co. Inc. Rahns, Pa.

981 — Finger straps — inch x 0.015 inch, Type 430 stainless steel
A. J. Gerrard & Co. Des Plaines, Ill.

982 — -inch all-aluminum rivets, AD—42A—BS for installation with Model PRG 400 hand pliers containing PRH 400, 2 jaws; Fastener Div. United Shoe Machinery Corp. Shelton, Connecticut, or
-inch all-aluminum Pli-Grip rivets for installation with PG—200 Pli-Grip manual rivet gun Insul-Coustic Corp. Maspeth, NY

983 — Vinyl tape, 1 inch x 60 yards per roll, polyvinyl film backing reinforced with 60 ends per inch of 150—1/0 glass filaments (No. 400, Johns Manville Corp.) to Federal specification PPP—T—97, Type II)

**Code**

984 — Insulation load-bearing segments, 85 psi, 5 percent deflection rigid urethane (Mobell 4-lb density urethane, United Products, Inc. Ballston Spa, NY, or
Chembest, 4-lb density urethane,
Unarco Ind. Bloomington, Ill

985 — "Tedlar" Tape, pressure sensitive, 1 inch wide x 3.5 mils thick, color—white, 3M Co. St Paul, Minn. or
Fasson Products Co
Painsville, Ohio

986 — Listing Tape, Asbestos
Available as commercial to AAA grades
In nonmetallic and metallic types, widths inch to 6 inches, thickness inch to inch (usually specified as commercial nonmetallic, 2 inches by inch

987 — Masking Tape, Scotchbrand paper No. 280 pressure sensitive, extra strength, 1 inch, 1 inches, or 2 inches wide as specified.
3M Co. St Paul, Minn

**INDEX TO OBSOLETE CODES**

| Code | Material | Date Canceled | Superceded by Code |
|---|---|---|---|
| 928 | inch x 0.020 inch stainless steel bands and seals | Apr 1963 | 927 |
| 938 | inch x 0.020 inch Monel bands and seals | April 1963 | 938 |
| 976 | 0.016 inch smooth aluminum sheet with Kraft paper and polyethylene protective backing | May 1966 | 976.1 |
| 977.3 | Aluminum sheet metal screws (not self-drilling or self-tapping | March 1970 | 977.4 |

SUP. BY

DUP 1140965

DU 058454

**Code**

977 — Corrugated expansion bands ¼-inch x 0.015-inch Type 304 stainless steel (Expand—R strap. A. J. Gerrard & Co.)

978 — S-clips, formed from 1-inch x 5-inch x 0.032-inch aluminum strip to accommodate a 3-inch lap (Insul-Coustic Corp.)

979 — Insul-Pins (Nelson stored Arc Div.—Gregory Industries, Inc. Lorain, Ohio or Ozark Industries, Inc. Cincinnati, 41, Ohio)

980 — Techalloy all-weather breather springs Techalloy Co. Inc. Rahns, Pa.

981 — Finger straps—¼-inch x 0.015-inch. Type 430 stainless steel A. J. Gerrard & Co. Des Plaines, Ill.

982 — ⅛-inch all-aluminum rivets, AD—42A—BS for installation with Model PRG 400 hand pliers containing PRH 400, 2 jaws. Fastener Div. United Shoe Machinery Corp. Shelton, Connecticut, or
⅛-inch all-aluminum Pli-Grip rivets for installation with PG—200 Pli-Grip manual rivet gun. Insul-Coustic Corp. Maspeth, NY

983 — Vinyl tape, 1 inch x 60 yards per roll, polyvinyl film backing reinforced with 60 ends per inch of 150—1/0 glass filaments (No. 400, Johns Manville Co.) (U. S. Federal specification PPP—T—97, Type II)

984 — Insulation load-bearing segments, 85 psi, 7 percent deflection rigid urethane Uni-Cell, 3 lb density urethane, Uni-Cell Products, Ballston Spa, NY, or
Chembest, 4-lb density urethane, Unarco Ind. Bloomington, Ill.

985 — "Tedlar" Tape, pressure sensitive, 1½ inch wide x 3.5 mils thick, colors—white, gray 3M Co. St Paul, Minn. or
Fasson Products Co. Painsville, Ohio

986 — Listing Tape, Asbestos
Available as commercial to AAA grades
In nonmetallic and metallic types, widths ¾ inch to 6 inches; thickness ½ inch to 1¼ inch. Usually specified as commercial nonmetallic, 2 inches by ½ inch

987 — Masking Tape, Scotchbrand paper No. 280, pressure sensitive, extra strength, 1 inch, 1½ inches, or 2 inches wide as specified. 3M Co. St Paul, Minn.

**INDEX TO OBSOLETE CODES**

| Code | Material | Date Canceled | Superseded by Code |
|---|---|---|---|
| 928 | ¼-inch x 0.020-inch stainless steel bands and seals | April 1963 | 927 |
| 938 | ¼-inch x 0.020-inch Monel bands and seals | April 1963 | 938 |
| 951 | 14-gage copper wire | July 1971 | |
| 952 | 16-gage copper wire | July 1971 | |
| 962 | Laggers staples | July 1971 | |
| 976 | 0.016-inch smooth aluminum sheet with Kraft paper and polyethylene protective backing | May 1966 | 716 |
| 971 3 | Aluminum sheet metal screws (not self-drilling or self-tapping) | March 1970 | 971 4 |

DUP 1140966

DU 058455

Code

977 — Corrugated expansion bands 3/4-inch x 0.015-inch Type 304 stainless steel (Expand—R strap, A. J. Gerrard & Co.)

978 — S-clips, formed from 1-inch x 5-inch x 0.032-inch aluminum strip to accommodate a 3-inch lap (Insul-Coustic Corp.)

979 — Insul-Pins (Nelson stored Arc Div.—Gregory Industries, Inc. Lorain, Ohio or Ozark Industries, Inc. Cincinnati, 41, Ohio)

979.1 — Capped head insulation weld pins with 1 1/2-in. dia. head discs and 10 or 12 gage pin of required length, zinc plated after assembly (AGM Industries, Inc.)

980 — Techalloy all-weather breather springs (Techalloy Co. Inc. Rahns, Pa.)

981 — Finger straps—3/4-inch x 0.015-inch, Type 430 stainless steel (A. J. Gerrard & Co. Des Plaines, Ill.)

983 — Vinyl tape, 1 inch x 60 yards per roll, polyvinyl film backing reinforced with 60 ends per inch of 150—1/0 glass filaments. (No. 400, Nashua Corp.) (U. S. Federal specification PPP—T—97, Type II)

984 — Insulation load-bearing segments, 85 psi, 5 percent deflection rigid urethane (Uni-Cell, 4-lb density urethane, Uni-Cell Products, Inc. Ballston Spa, NY, or Chembest, 4-lb density urethane, Enarco Ind. Bloomington, Ill.)

985 — "Dedar" Tape, pressure sensitive, [illegible] wide x 3.5 mils thick, colors—white [illegible] (3M Co. St Paul, Minn. or Fasson Products Co. Painesville, Ohio)

986 — Lasting Tape, Asbestos. Available as commercial to VVV grades in nonmetallic and metallic types, widths 1/2 inch to 6 inches, thickness [illegible] inch or 1/8 inch. Usually specified as commercial nonmetallic, 2 inches by [illegible] inch.

987 — Masking Tape, Scotchbrand paper No. 2807, pressure sensitive, extra strength, 1 inch, 1 1/2 inches, or 2 inches wide as specified. (3M Co. St Paul, Minn.)

988 — Polyester film tape reinforced with continuous glass yarn filaments, Scotchbrand No. 8[illegible], pressure sensitive, [illegible] inch wide by 60 yds per roll (3M Co. St Paul, Minn.)

989 — Fiberglass glass fiber load bearing segments 735 Insul-Coustic Div. Burma Products Corp. Sayreville, NJ.

REV. FEB 1973

## INDEX TO OBSOLETE CODES

| Code | Material | Date Canceled | Superseded by Code |
|---|---|---|---|
| 928 | 1/4-inch x 0.020-inch stainless steel bands and seals | April 1963 | 927 |
| 938 | 1/4-inch x 0.020-inch Monel bands and seals | April 1963 | 938 |
| 951 | 14 gage copper wire | July 1971 | |
| 952 | 16 gage copper wire | July 1971 | |
| 962.1 | Laggers staples | July 1971 | |
| 976 | 0.016-inch smooth aluminum sheet with Kraft paper and polyethylene protective backing | May 1966 | 716 |
| 977.3 | Aluminum sheet metal screws (not self-drilling or self-tapping) | March 1970 | 977.4 |
| 982 | 1/8-inch all-aluminum rivets | Feb. 1972 | |

DUP 1140967

DU 058456

**Code**

977 — Corrugated expansion bands 3/4-inch x 0.015-inch Type 304 stainless steel (Expand—R strap, A. J. Gerrard & Co.)

978 — S-clips, formed from 1-inch x 5-inch x 0.032-inch aluminum strip to accommodate a 3-inch lap (Insul-Coustic Corp.)

979 — Insul-Pins (Nelson stored Arc Div.—Gregory Industries, Inc. Lorain, Ohio or Ozark Industries, Inc. Cincinnati, 41, Ohio)

979.1 — Cupped head insulation weld pins with 1 1/2-in. dia head discs and 10 or 12 gage pin of required length, zinc plated after assembly AGM Industries, Inc.

980 — Techalloy all-weather breather springs Techalloy Co, Inc, Rahns, Pa.

981 — Finger straps—3/4-inch x 0.015-inch, Type 430 stainless steel
A. J. Gerrard & Co. Des Plaines, Ill.

983 — Vinyl tape, 1 inch x 60 yards per roll, polyvinyl film backing reinforced with 60 ends per inch of 150—1/0 glass filaments (No. 880, Nashua Corp.) (U. S. Federal specification PPP—T—97, Type II)

984 — Insulation load-bearing segments, 85 psi, 5 percent deflection rigid urethane, Uni-Cell, 4-lb density urethane, Penn's Valley Insulation Co, Lester, Pa. or
Foamed Products Div., 4 lb density urethane, Owens-Corning

**Code**

985 — "Tedlar" Tape, pressure sensitive, 1/2 inch wide x 3.5 mils thick, colors—white, gray, 3M Co, St Paul, Minn, or
Fasson Products Co, Painesville, Ohio

986 — Listing Tape, Asbestos
Available as commercial to AAA grades In nonmetallic and metallic types, widths 1/4 inch to 6 inches; thickness 1/32 inch to 1/4 inch Usually specified as commercial nonmetallic, 2 inches by 1/8 inch

987 — Masking Tape, Scotchbrand paper No. 280, pressure sensitive, extra strength, 1 inch, 1 1/2 inches, or 2 inches wide as specified, 3M Co, St Paul, Minn

988 — Polyester film tape reinforced with continuous glass yarn filaments, Scothbrand No. 898, pressure sensitive, 1/2 inch wide by 60 yds per roll 3M Co, St Paul, Minn

990 — Aluminum beveled end caps T & H Metal Corp, P. O. Box 1184, Palestine, Texas or Southeastern Tool & Die Co Inc, 1421 Metals Drive, Charlotte, North Carolina (Min 100 pieces of one size order)

991 — Hardwood blocks, kiln-dryed white oak, treated with a waterproof preservative C. H Leibfried Mfg Corp, 95—101 Guernsey St, Brooklyn, NY 11222

## INDEX TO OBSOLETE CODES

| Code | Material | Date Canceled | Superseded by Code |
|---|---|---|---|
| 928 | 1 1/4-inch x 0.020-inch stainless steel bands and seals | April 1963 | 927 |
| 938 | 1 1/4-inch x 0.020-inch Monel bands and seals | April 1963 | 938 |
| 951 | 14-gage copper wire | July 1971 | |
| 952 | 16-gage copper wire | July 1971 | |
| 961 | Skewers, wood pins | Feb 1973 | |
| 962.1 | Laggers staples | July 1971 | |
| 976 | 0.016-inch smooth aluminum sheet with Kraft paper and polyethylene protective backing | May 1966 | 716.1 |
| 971.3 | Aluminum sheet metal screws (not self-drilling or self-tapping) | March 1970 | 971.4 |
| 982 | 1/8-inch all-aluminum rivets | Feb 1972 | |
| 989 | Econoline glass fiber load bearing segments | Feb 1973 | |

DUP 1140968

DU 058457

**Code**

978 – S-clips, formed from 1-inch × 5-inch × 0.032-inch aluminum strip to accommodate a 3-inch lap (Insul-Coustic Corp)

979 – Insul-Pins (Nelson stored Arc Div–Gregory Industries, Inc, Lorain, OH or Ozark Industries, Inc, Cincinnati, OH)

979.1 – Cupped head insulation weld pins with 1½-inch dia head discs and 10 or 12 gage pin of required length, zinc plated after assembly, AGM Industries, Inc

980 – Techalloy all-weather breather springs, Techalloy Co, Inc, Rahns, PA

981 – Finger straps–¾-inch × 0.015-inch, Type 430 stainless steel, A. J. Gerrard & Co, Des Plaines, IL

983 – Vinyl tape, 1 inch × 60 yards per roll, polyvinyl film backing reinforced with 60 ends per inch of 150–1/0 glass filaments, (No. 400, Nashua Corp) (U. S. Federal specification PPP–T–97, Type II)

984 – Insulation load-bearing segments, 85 psi, 5 percent deflection rigid urethane, Uni-Cell, 4-lb density urethane, Penn's Valley Insulation Co, Lester, PA or
Foamed Products Div, 4 lb density urethane, Owens-Corning

985 – "Tedlar" Tape, pressure sensitive, 1½ inch wide × 3.5 mils thick, colors–white, gray, 3M Co, St Paul, MN or
Fasson Products Co, Painsville, OH

**Code**

986 – Listing Tape, Asbestos
Available as commercial to AAA grades. In nonmetallic and metallic types, widths ¾ inch to 6 inches; thickness 1/32 inch to ¼ inch Usually specified as commercial nonmetallic, 2 inches by ⅛ inch

987 – Masking Tape, Scotchbrand paper No. 280, pressure sensitive, extra strength, 1 inch, 1½ inches, or 2 inches wide as specified, 3M Co, St Paul, MN

988 – Polyester film tape reinforced with continuous glass yarn filaments, Scotchbrand No. 898, pressure sensitive, ½ inch wide by 60 yds per roll, 3M Co, St Paul, MN

990 – Aluminum beveled end caps T & H Metal Corp, P. O. Box 1184, Palestine, TX or
Southeastern Tool & Die Co Inc, 1421 Metals Drive, Charlotte, NC (Min 100 pieces of one size/order)

991 – Hardwood blocks, kiln-dryed white oak, treated with a waterproof preservative C. H. Leibfried Mfg Corp, 95–101 Guernsey St, Brooklyn, NY 11222

992 – Glass tape, plain weave cloth made from "C" glass fibers, nominal 0.028 inch thickness, available 2 inch thru 6 inch in 1 inch increments, 100-yd long rolls, 5.4 lb for 2 inch × 100-yd roll, Service temperature limit 750 F. Do not use in contact with austenitic stainless steel at or above 140 F. Thermoglass tape No. G19P151 with No. 9731 finish, Amatex Corp

REV. 1 1 1977

**INDEX TO OBSOLETE CODES**

| Code | Material | Date Canceled | Superseded by Code |
|---|---|---|---|
| 928 | 1¼-inch x 0.020-inch stainless steel bands and seals | April 1963 | 927 |
| 938 | 1¼-inch x 0.020-inch Monel bands and seals | April 1963 | 938 |
| 951 | 14-gage copper wire | July 1971 | |
| 952 | 16-gage copper wire | July 1971 | |
| 961 | Skewers, wood pins | Feb 1973 | |
| 962.1 | Leggers staples | July 1971 | |
| 976 | 0.016-inch smooth aluminum sheet with Kraft paper and polyethylene protective backing | May 1966 | 716.1 |
| 971.2 | Cadmium-plated | Jan 1975 | |
| 971.3 | Aluminum sheet metal screws (not self-drilling or self-tapping) | March 1970 | 971.4 |
| 982 | ⅛-inch all-aluminum rivets | Feb 1972 | |
| 989 | Econoline glass fiber load bearing segments | Feb 1973 | |

DUP 1140969

DU 058458

196

**Code**

980 – Techalloy all-weather breather springs (Techalloy Co. Inc. De-Tech Instrument Div. Route 113 and Oak Rd. Rahns. PA 19426)

981 – Finger straps – 3/4-inch × 0.015-inch. Type 430 stainless steel (A. J. Gerrard & Co. 426 E Touhy Ave. Des Plaines. IL 60018

983 – Vinyl tape. 1 inch × 60 yards per roll. polyvinyl film backing reinforced with 60 ends per inch of 150-1/0 glass filaments No. 400 (Nashua Corp. Dept TR-61. Nashua. NH 03060) (U. S. Federal specification PPP-T-97. Type II). Do not use in contact with austenitic stainless steel at or above 140°F

984 – Insulation load-bearing segments. 85 psi. 5 percent deflection rigid urethane. Uni-Cell. 4-lb density urethane. Upjohn-CPR 9006-4 (Upjohn Co. 7000 Portage Rd. Kalamazoo. MI 49001)

985 – "Tedlar" tape. pressure sensitive. 1½-inch wide × 3.5 mils thick. colors – white. gray [3M Co. 3M Center. St Paul. MN 55101 or Avery Products Corp (Fasson). 251 Chester St. Painsville. OH 44077] Do not use in contact with austenitic stainless steel at or above 140°F

986 – Listing tape. asbestos. Available as commercial to AAA grades. In nonmetallic and metallic types. widths 3/4 inch to 6 inches; thickness 1/32 inch to 1/4 inch. Usually specified as commercial nonmetallic. 2 inches by 1/8 inch. Do not use in contact with austenitic stainless steel at or above 140°F

**Code**

987 – Masking tape. Scotchbrand paper No. 280. pressure sensitive. extra strength. 1 inch. 1½ inches. or 2 inches wide as specified (3M Co. 3M Center. St Paul. MN 55101)

988 – Polyester film tape reinforced with continuous glass yarn filaments. Scotchbrand No 898. pressure sensitive. ½-inch wide by 60 yds per roll (3M Co. 3M Center. St Paul. MN 55101)

990 – Aluminum beveled end caps (Pabco Surefit. Nationwide Sales and Service Corp. 3210 W Oak. Palestine. TX 75801 or Southeastern Tool & Die Co. Inc. 1420 Metals Drive. Charlotte. NC 28206) (min 100 pieces of one size/order)

991 – Hardwood blocks. kiln-dried white oak. treated with a waterproof preservative (C. H Leibfried Mfg Corp. 95-101 Guernsey St. Brooklyn. NY 11222)

992 – Glass listing tape. plain weave cloth made from "C" glass fibers. Style No. G19P752-0.025-inch thick or G36P752-0.060-inch thick. available ½ inch through 6 inches in ½-inch increments in 100-. 150-. 300-foot rolls. 5.4 lb for 2-inch × 300-foot roll. Service temperature limit 650°F. Do not use in contact with austenitic stainless steel at or above 140°F. Thermoglass tape with No. 9731 finish (Amatex Corporation. 1030 Stanbridge St. Norristown. PA 19404)

REV. NOV 1978

## INDEX TO OBSOLETE CODES

| Code | Material | Date Canceled | Superseded by Code |
|---|---|---|---|
| 905 | 1/2-inch wide × 0.015-inch thick nylon bands | Feb 1977 | – |
| 906 | 1/2-inch wide × 0.030-inch thick nylon bands | Feb 1977 | – |
| 928 | 1 1/4-inch × 0.020-inch stainless steel bands and seals | April 1963 | 927 |
| 938 | 1 1/4-inch × 0.020-inch Monel bands and seals | April 1963 | – |
| 951 | 14-gage copper wire | July 1971 | – |
| 952 | 16-gage copper wire | July 1971 | – |
| 961 | Skewers, wood pins | Feb 1973 | – |
| 962.1 | Laggers staples | July 1971 | – |
| 964.4 | Clipfas hanger – Benjamin Foster Co | Feb 1977 | – |
| 976 | 0.016-inch smooth aluminum sheet with kraft paper and polyethylene protective backing | May 1966 | 716.1 |
| 971.2 | Cadmium-plated | Jan 1975 | – |
| 971.3 | Aluminum sheet metal screws (not self-drilling or self-tapping) | March 1970 | 971.4 |
| 975 | 2-pound lead sheet | Feb 1977 | – |
| 982 | 1/8-inch all-aluminum rivets | Feb 1972 | – |
| 989 | Econoline glass fiber load bearing segments | Feb 1973 | – |

given to Legal 3/4



2. SN211P - TABLES OF WEIGHTS, INSULATION AND FINISHES
A draft of the proposed revision was reviewed in detail. The committee agreed that both code numbers and densities should be shown and to include both a nomograph and table for insulation. Also, similar material is to be developed for finish systems.

3. SN165A - DUAL TEMPERATURE EQUIPMENT INSULATION APPLICATION
Several items are close to resolution and the standard will include two systems. A first draft is expected to be ready for the February meeting.

4. SN206P - HTM APPLICATION AND INSULATION OF TRACED PIPING AND EQUIPMENT
A draft of the proposed revision was reviewed in detail. W. D. Webb is to forward a marked copy to D. C. Holter.

5. INSULATION OF INSTRUMENT LINES
A sample of "Thermazip", manufactured by Insul-Coustic was examined. This material is a fiberglass bonded to a vinyl or polyethylene cover. The bonding left something to be desired but with this exception the material was satisfactory. This material was intended to be used on piping.

6. STAINLESS STEEL SHEET TYPE 409
A sample of corrugated Type 409, 7 mil, with kraft backing was inspected. This sample was from Insul-Coustic and was priced at $2.3¢ per square foot. The appearance of the material was quite good and it is a good candidate for the selective replacement for aluminum finishes.

7. OTHER SAMPLES AVAILABLE FOR INSPECTION
A sample of calcium silicate board that had been fabricated without the inclusion of any asbestos was inspected. This material included a fiber that appeared to be a glass. This material is at present in the development stage.

A sample of vinyl coated wire mesh was inspected and appeared to be of good quality. The committee agreed that if the prospective vendor "Weiler" can assure us of a supply, then this material will be added to the appropriate code.

Vinyl coated wire mesh, manufactured by A. J. Gerrard also was inspected. This sample contained a heavier wire than the sample from Weiler, and thus is expected that the price would be higher. From the standpoint of quality this material also was judged to be satisfactory.

Samples of Armstrong "Armalok" also were available for inspection. This is pipe insulation consisting of rigid urethane foam covered with an aluminum laminate. The coating has an overlap of reasonable width and the coating would also provide a satisfactory moisture barrier. The committee agreed that this material will be added to Code 118.

DUP 1140971