INSULATION

UNION CARBIDE STANDARD

CHEMICALS/PLASTICS

MATERIAL SPECIFICATION 4M : 4M-B
4A : 4A-B
4SS: 4SS-B

PAGE 1 of 2

DATE DECEMBER 1950

SERVICE	TEMP. RANGE
This specification covers the insulation material for use on equipment and piping in reactive chemical service, such as ethylene oxide. Also for use on electric-traced systems.	15°C (59°F) to 650°C (1202°F)
LIMITATIONS	MANDATORY ADD'L. SPECS
	GS; AP-1, AP-2

PRECAUTIONS

Inhalation of perlite dust may cause minor nose and throat irritations.

SPEC. IDENTIFICATION

4M	Perlite with mastic	4M-B	Perlite with mastic plus cushioning bl
4A	Perlite with aluminum	4A-B	Perlite with aluminum plus cushioning blanket
4SS	Perlite with stainless steel	4SS-B	Perlite with stainless steel plus cushioning blanket

PLAINTIFF'S EXHIBIT

UC-3721

ACCEPTABLE MAJOR MATERIAL COMPONENTS

COMPONENT	MATERIAL	TRADE NAME	MANUFACTURER
PIPE COVERING AND BLOCK	Expanded Perlite	Celotemp 1500 Goodtemp 1500	Celotex Corp. Goodtemp Corp.
WEATHER BARRIER	Mastic	WC-5 Jaxsan 600 L&L 300 Mastic Sealfas GPM #35-00(1) Vi-Cryl(1)	Vimasco Corp. Plastic Coatings Corp. L&L Coating Corp. Foster Div. of H. B. Fuller Co. Childers Products Co.
	Aluminum (Smooth or 3/16" Corrugated)	Type 3003 or 5005, H14 alum. roll jacketing with polyethylene coated .010" min. up to 24" dia. .016" min. 24" dia. and above .020" when crimping and goring of jacket is required.	Childers Products Co. Premetco International, Inc. RPR Products, Inc. Quality Service Metals, Inc.
	Stainless Steel	.010" thk type 301, 302 or 304 S.S. roll jacketing with polyethylene coated Kraft paper vapor barrier	Childers Products Co. Premetco International, Inc. RPR Products, Inc. Quality Service Metals, Inc.
CUSHIONING BLANKET (2)	Glass Wool (Above 800°F and all SS surfaces)	Temp-Mat Burl-Glas	Pittsburgh-Corning Corp. Burlington Glass Fabrics Co.
	Glass Wool (800°F and below)	Fiberglas TIW Type II Spin Glas No. 1061 Ultralite No. 300 (425°F max)	Owens-Corning Fiberglas Corp. Johns-Manville Corp. Certain-Teed Corp.

NOTES

(1) Approved for use at Ponce, Torrance and Gulf Coast Locations only.

(2) Cushioning blanket normally required only on equipment larger than 16" O.D. and operating above 200°C (392°F).

Expanded Perlite shall conform to ASTM Standard Specification C610 (latest revision).

24.5.1.1

UCC 011908

Published by AsbestosClaims.Law
asbestosclaims.law/library/18445/1

INSULATION

UNION CARBIDE

CHEMICALS/PLASTICS

ACCEPTABLE ACCESSORY MATERIAL COMPONENTS

COMPONENT	TRADE NAME	MANUFACTURER
Insulating Cement (Hydraulic Setting)	Hilcote Finishing Cement Quik-Set Super-Powerhouse Pabcote Cement Thermokote I-MWP	Holmes Insulations Ltd. Forty-Eight Insulations, Inc. Keene Corp. Pabco Div. of Fibreboard Corp. Ryder Industries, Inc.
Reinforcing Fabric	Elastalab #894 PC Fabric 79 Q	Vimasco Corp. Pittsburgh-Corning Corp.
Fabricating Cement	Fibrous Adhesive #81-93AF Brush Grade 7B High Temp Adhesive	Foster Div. of H. B. Fuller Co. Michael Walter Industries
Heat Resistant Sealer	Silastic 732RTV #30-43	Dow Corning Corp. Foster Div. of H.B. Fuller Co.
Wire Netting	One inch, hexagonal mesh, 20 gage, Type 304 or 430 SS or Monel	(Any building materials supplier)
Insulation Strap Pipe Equipment	 3/8" x .015 Type 304 SS 1/2" x .020 Type 304 SS	Childers Prod. Co. A. J. Gerrard Techalloy Band-it Co.
Strap Clip Pipe Equipment	 3/8" x 1/2" double pronged SS 1/2" x 7/8" double pronged SS	Childers Prod. Co. A. J. Gerrard Techalloy Band-It Co.
Stainless Steel Wire	18 gage dead soft annealed Type 304 or 430 SS	(Any building materials supplier)
Insulating Cement (Air Setting)	Super 48 Cement Super 1900 Thermokote - MW No. 1 Insulating Cement	Forty-Eight Insulations, Inc. Keene Corp. Ryder Industries, Inc. Holmes Insulations, Ltd.

34.5.1.1

UCC 011909

Published by AsbestosClaims.Law
asbestosclaims.law/library/18445/2