

DESIGN AND CONSTRUCTION
UNION CARBIDE CHEMICALS COMPANY
Division of
UNION CARBIDE CORPORATION

SPECIFICATIONS

For

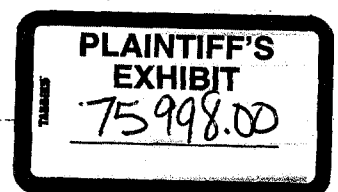
Thermal Insulation
Material and Application

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703581



THERMAL INSULATION PROPERTIES

SPEC. NO.	MATERIAL	MFG.	TRADE NAME	FORM & USE	LBS. CU.FT.	TEMPERATURE °F										
						-100	0	500	1000	1500	2000					
10	CELLULAR GLASS	P.C.	FOAMGLAS	RIGID BOARD & PIPE INSUL. - VAPOR RES. FABRICATES WELL	8 TO 10	K = .36 .42 .48 .55 .62 .68 .74										
11	CELLULAR SILICA	P.C.	FOAMSIL	RIGID BOARD & PIPE INSUL. - VAPOR RES. HEAT SHOCK RES.	12 TO 14	K = .57 .63 .66 .71 .77 .83 .90 .97 1.04 1.12 1.20 1.27 1.35 1.43 1.51 1.59 1.67 1.75 1.84										
15	GLASS FIBER	O.C.	HEAVY DENSITY SECTIONAL PIPE INSUL.	SEMI - RIGID BOARD & PIPE INSULATION - LOW MECH. STRENGTH	6.5 TO 7.5	K = .29 .32 .36 .41										
16	GLASS FIBER	O.C. G.B. J.M.	LIGHT DENSITY SNAP - ON MICRO - LOK	RESILIENT PIPE INSULATION FOR BLDG. PIPING	3 TO 4	K = .27 .31										
17	GLASS FIBER BLANKET	O.C. G.B. J.M.	DUCT LINER ULTRALITE MICROTEX	FOR LINING AIR COND. DUCT - NOISE & THERMAL INSUL.	3 TO 6	K = .35										
	GLASS FIBER BOARD	O.C. G.B. J.M.	RIGID DUCT G.B. BOARD SPINTEX	EXTERIOR INSUL. FOR DUCTS - LOW MECH. STRENGTH	6 TO 9	K = .32 .40										
20	STANDARD CALCIUM SILICATE	O.C. J.M. B.E.H. RUB. PAR. K-M MUN.	KAYLO THERMOBESTOS THERMASIL CALSILITE CALTEMP KAYTHERM TRI - CALITE	RIGID BOARD & PIPE INSULATION - FABRICATES WELL - HIGH COMPRESSIVE STRENGTH - VERY ABSORBANT LITTLE VAP. RES.	10 TO 14	K = .38 .42 .47 .51 .56 .62 .69 .77 .87										
21	ASBESTOS FIBERS	UB. HOL.	UNIBESTOS CAPOSITE	RIGID BOARD & PIPE INSULATION - HIGH TENSILE STRENGTH	14 TO 18	K = .37 .42 .47 .52 .57										
22	BONDED EXPANDED SILICA	CAR.	CAREYTEMP	RIGID BOARD & PIPE INSUL. - WATER RES. SAFE FOR OXIDE SER.	9.5 TO 12	K = .39 .44 .50 .55 .60 .65 .70 .75 .81 .87										
25	HYDROUS CALCIUM SILICATE	O.C. RUB.	KAYLO 20 1800 CALSILITE	RIGID BOARD & PIPE INSUL. - SHRINKAGE SMALL AT HIGH TEMP.	11.5 TO 14	K = .45 .49 .53 .58 .63 .68 .73 .78 .83 .87 .93 1.00 1.07 1.15										
31	PREFORMED REFLECTIVE	MIR.	MIRROR	PREFORM'D. PIPE & EQUIP. INSUL. - REUSE NON-ABSORBANT.	4 TO 8	EQ. K = .45 .49 .52 .56 .60 .64 .68										
32	COMBINATION		HYD. CAL. SIL. & STD. CALSIL. OR CEL. GLASS	FOR FIRE PROTECTION OF EQUIP. AND PIPE	8 TO 14	INDIVIDUAL INSULATION LISTED ABOVE										
37	UNDER GROUND CONDUIT	R.W. DU. KA.	HEL-COR PRE-SEALED CONDUIT	OUTER CONDUIT FOR ANY INSULATION		INDIVIDUAL INSULATION LISTED ABOVE										
39	UNDERGR'D. BITUMINOUS FILL	A.G. M.A.I.	GILSULATE INSULFIL	FILL INSULATION FOR HOT-UNDER-GROUND LINES	25 TO 41	K = .52 .55 .61										
40	CORK FILLED PVA MASTIC	VI.	HEAT TYPE "C"	DIRECT APPLIED INSUL. MASTIC. REDUCE COND.	50 TO 55	K = 1.1										

MANUFACTURERS:

AG = AMERICAN GILSONITE
 BCI = BALDWIN - EMRET - MILL
 CAR = THE PHILIP CAREY CO.
 DU = DURANT
 GB = GUSTIN - PACON

HOL = HOLMES FOUNDRY
 KA = KAISER
 K-M = KEASPEY AND MATTISON
 MUN = MANDOT CORK
 MAI = MIRACLE ADHESIVE - INSULFIL

MIR = MIRROR INSULATION
 J.M. = JOHNS - MANVILLE
 O.C. = OWENS - CORNING FIBERGLAS
 PAR = FIBERBOARD PAPER - PAROC
 P.C. = PITTSBURGH - CORNING

RUB = RUBERGIO
 RW = RIC - WIL
 UB = UNION ASBESTOS
 VI = VIMASCO

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