

TECHNICAL DATA**INSULATION**TYPICAL ANALYSIS DATAPRODUCT: PANEX T.P.DESCRIPTION: NON-ASBESTOS, ULTRA LIGHT,
HIGH-STRENGTH, INSULATION.SPECIMEN TYPES: GUNNEDRECOMMENDED
SERVICE LIMIT: 2000°FP.C.E.: CONE 5 (2230°F)ASTM CLASS (C-401): CLASS "O"WATER REQUIRED TO
CAST 100 LBS MATERIAL: N/AMATERIAL REQUIRED
TO GUN 1 CU. FT. : * 28 TO 32 LBSRECOMMENDED PRE-WET
PER 100 LBS. (GUN) : 10 TO 15% (BY WEIGHT)PACKAGING: 50 LB BAGAPPLICATION METHODS: TROWEL, CAST, GUN,
PUMP

CHEMICAL ANALYSIS

SiO ₂	41.83 %
Al ₂ O ₃	12.96
Fe ₂ O ₃	2.75
CaO	26.86
MgO	6.39
TiO ₂	.33
Alkalies	
as Na ₂ O	3.05
L.O.I.	5.83

THERMAL CONDUCTIVITY
(BTU/FT²/HR./°F/IN.)

MEAN TEMP.	"K"
500	.80
1000	1.15
1300	1.27

PHYSICAL PROPERTIES:

Fired to F°	Density Lbs/cu.Ft.	Linear Change %	Modulus of Rupture, psi	Cold Crushing Strength, psi
220	25.4	0.0	154	294
500	26.0	-0.2	150	289
1000	27.1	-0.6	135	287
1500	26.5	-1.0	84	186
2000	25.3	-1.7	45	84

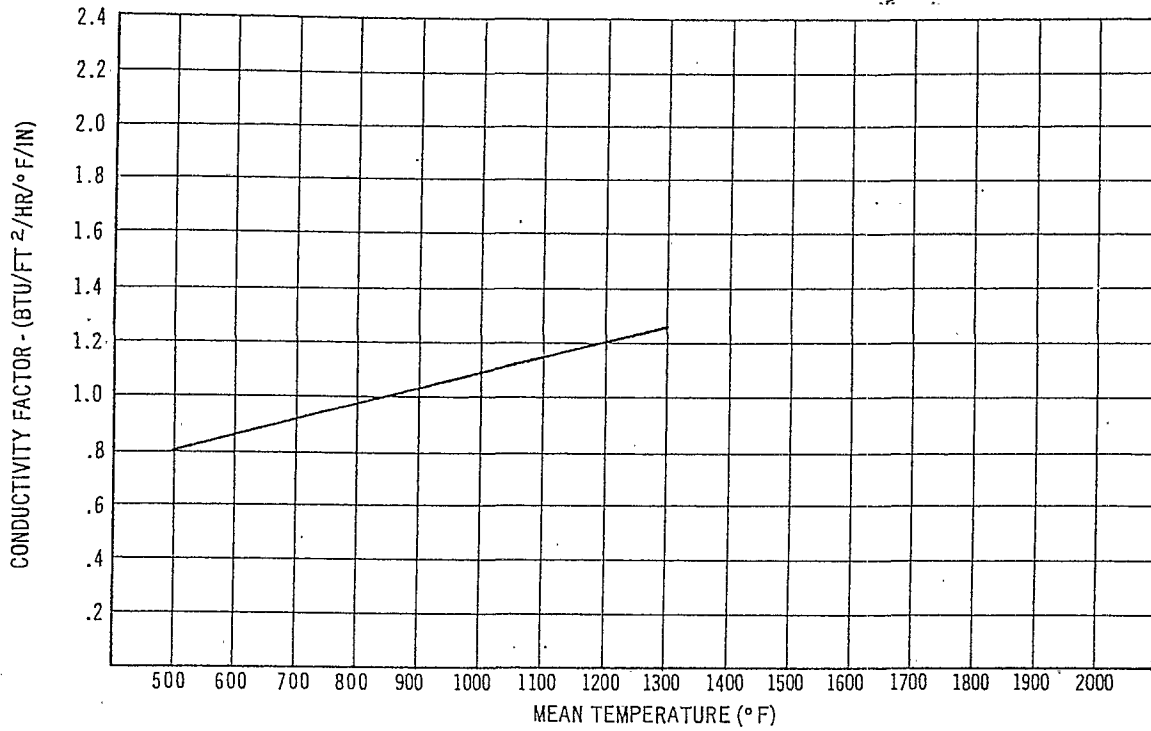
* NOT INCLUDING FIELD WASTE

NOTE: ASTM TEST METHODS USED WHERE APPLICABLE

375 (406G)
(873 Rev.)

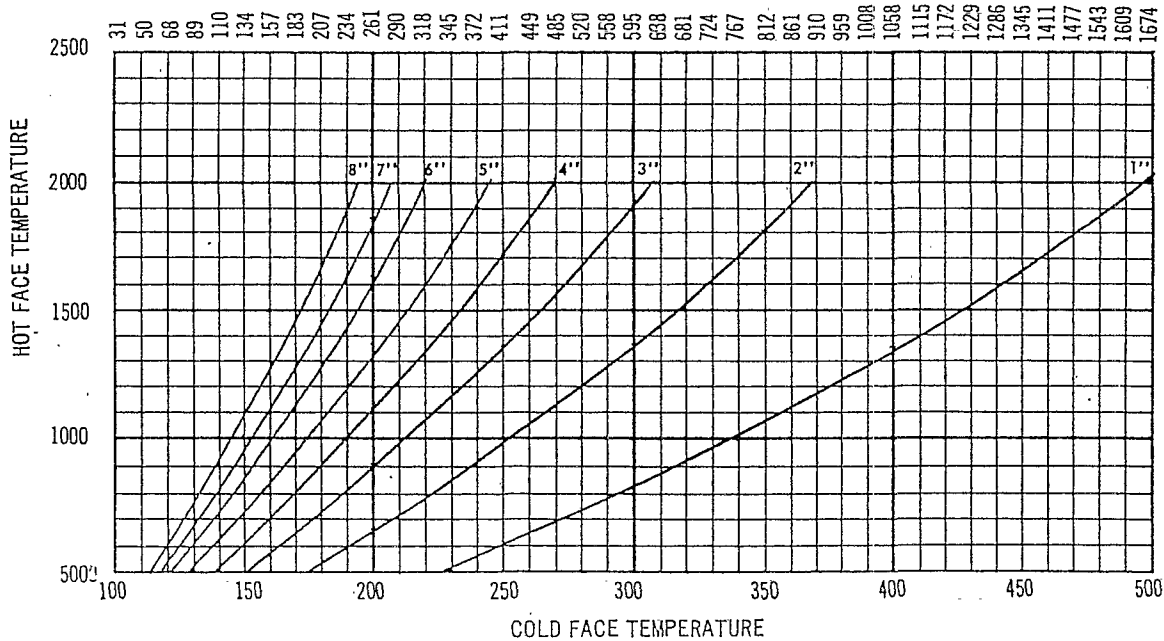
CHEV B8 6436

THERMAL CONDUCTIVITY - PANELEX TP (Gunned)



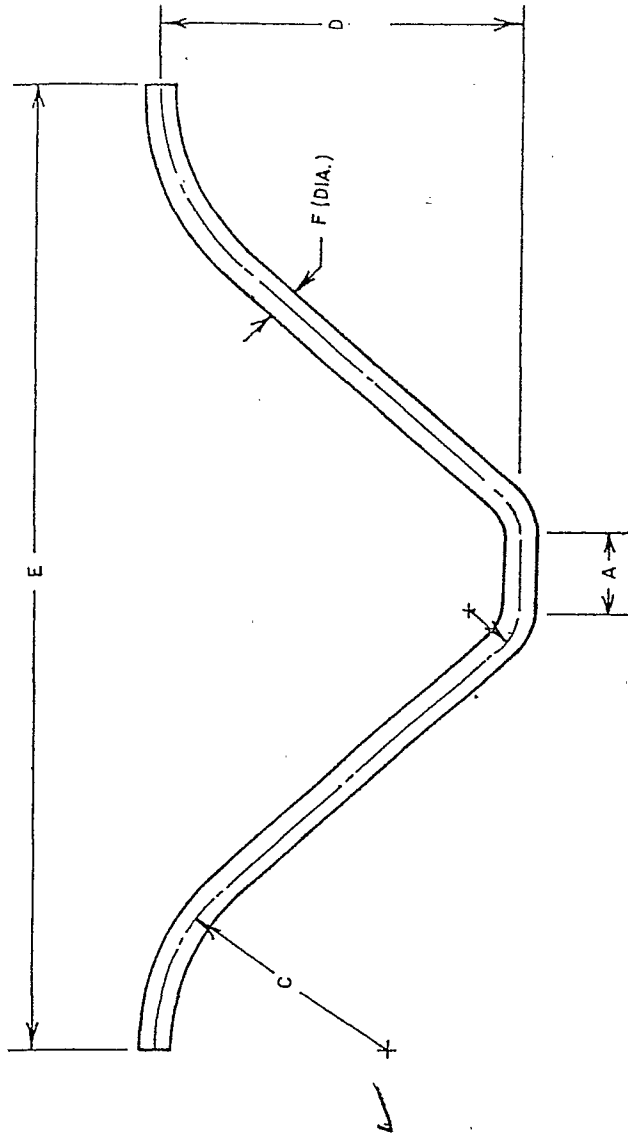
* PERFORMANCE GRAPH - PANELEX TP (Gunned)

BTU LOSS (Ft²/Hr)



*THESE CURVES ARE BASED ON STILL AIR, 80° F AMBIENT TEMP AND EMISSIVITY FACTOR OF 0.9

NO	A	B	C	D	E	F
-1	7/16	5/16	1-3/8	3/4	5-3/4	3/16
-2	7/16	5/16	1-3/8	1	5-3/4	3/16
-3	7/16	5/16	1-3/8	1-1/2	5-3/4	3/16
-4	7/16	5/16	1-3/8	2	5-3/4	3/16
-5	7/16	5/16	1-3/8	2-1/4	5-3/4	3/16
-6	1/2	1/2	1-1/2	2-1/2	6	3/16
-7	1/2	1/2	2-1/4	3	7	3/16
-8	1/2	1/2	1-1/2	3-1/2	6	3/16
-9	1/2	1/2	2-1/4	3-1/2	7-3/4	3/16
-10	3/4	3/4	2	3-3/4	8	3/16
-11	1/2	1/2	2-1/4	4-1/2	8	3/16
-12	3/4	3/4	2-1/4	5	9-15/16	3/16
-13	3/4	3/4	2	3-3/4	8	1/4
-14	3/4	3/4	2	4	8	1/4
-15	3/4	3/4	2-1/2	4-1/2	8-1/2	1/4
-16	3/4	3/4	4	6	11-1/2	5/16



CHEV B8 6437

AR-731



REFRACTORY AND
CONSTRUCTION ANCHORS