CHEV B8 6435

PLAINTIFF'S EXHIBIT CHV-511

TECHNICAL DATA — INSULATION

TYPICAL ANALYSIS DATA

PRODUCT:	PANELEX T.P.
DESCRIPTION:	NON-ASBESTOS, ULTRA LIGHT, HIGH-STRENGTH, INSULATION
SPECIMEN TYPES:	GUNNED
RECOMMENDED SERVICE LIMIT:	2000°F
P.C.E.:	CONE 5 (2230°F)
ASTM CLASS (C-401):	CLASS "O"
WATER REQUIRED TO CAST 100 LBS MATERIAL:	N/A
MATERIAL REQUIRED TO GUN 1 CU. FT. :	* 28 TO 32 LBS
RECOMMENDED PRE-WET PER 100 LBS. (GUN) :	10 TO 15% (BY WEIGHT)
PACKAGING:	50 LB BAG
APPLICATION METHODS:	TROWEL, CAST, GUN, PUMP

CHEMICAL ANALYSIS

SiO_2	41.83 %
Al_2O_3	12.96
Fe_2O_3	2.75
CaO	26.86
MgO	6.39
TiO_2	.33
Alkalies as Na_2O	3.05
L.O.I.	5.83

THERMAL CONDUCTIVITY ($BTU/FT^2/HR./°F/IN.$)

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.)

Pfizer

QUIGLEY COMPANY INC

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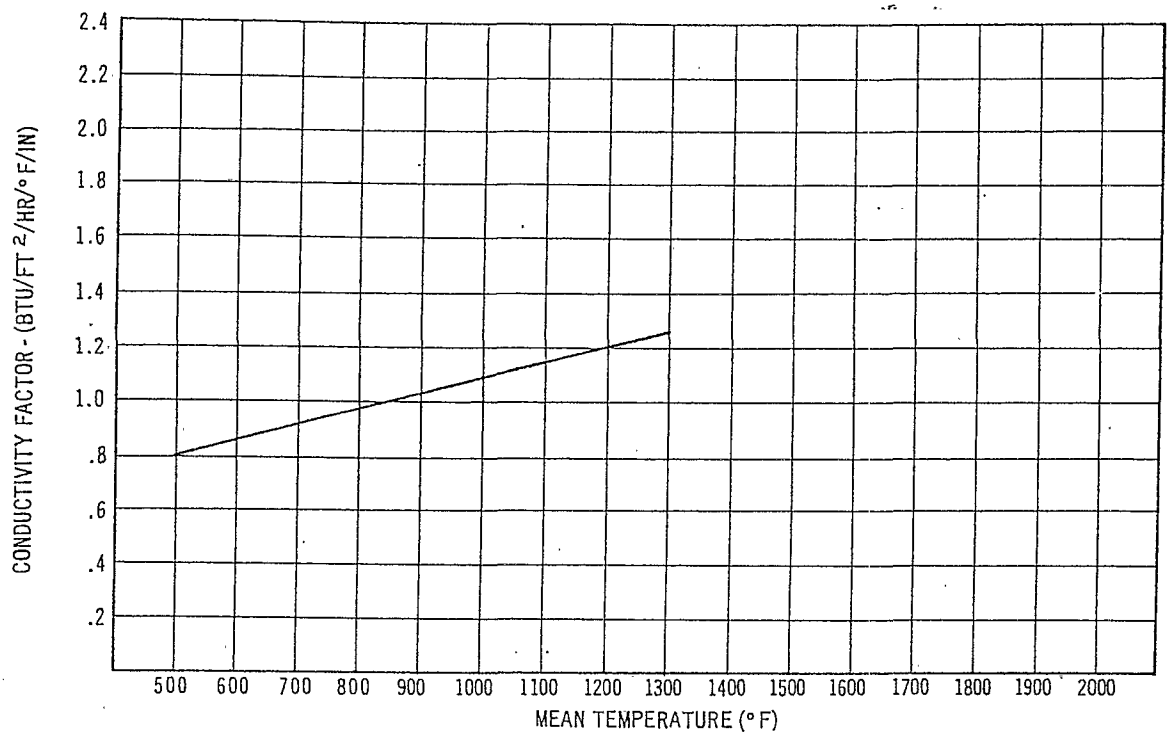
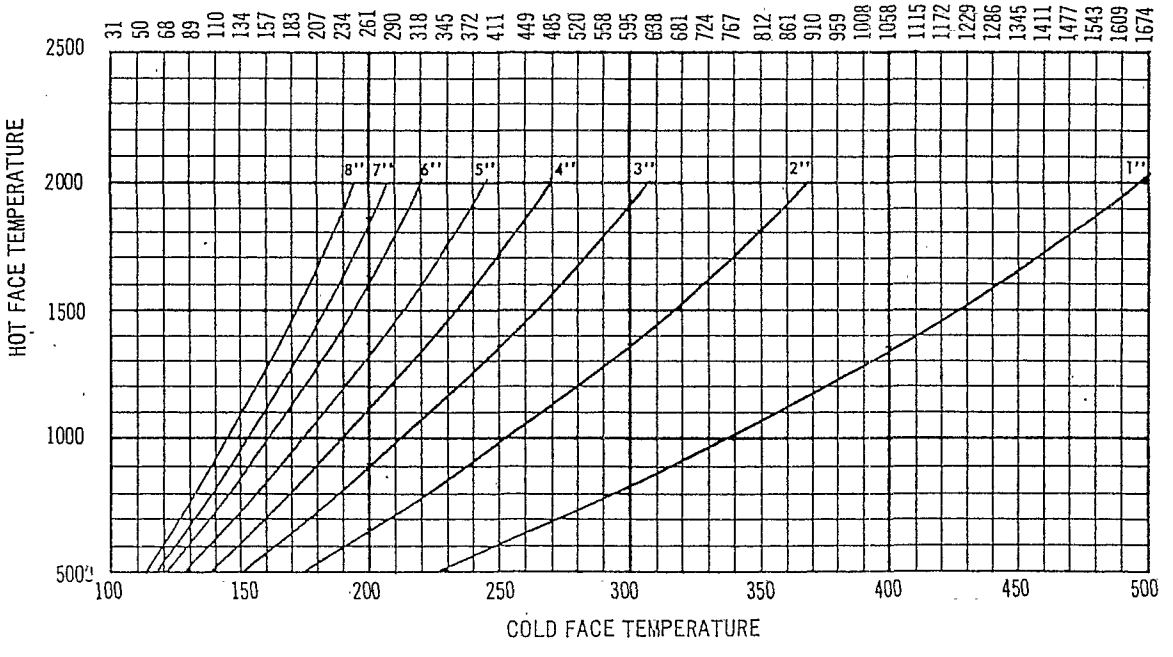
THERMAL CONDUCTIVITY - PANELEX TP (Gunned)



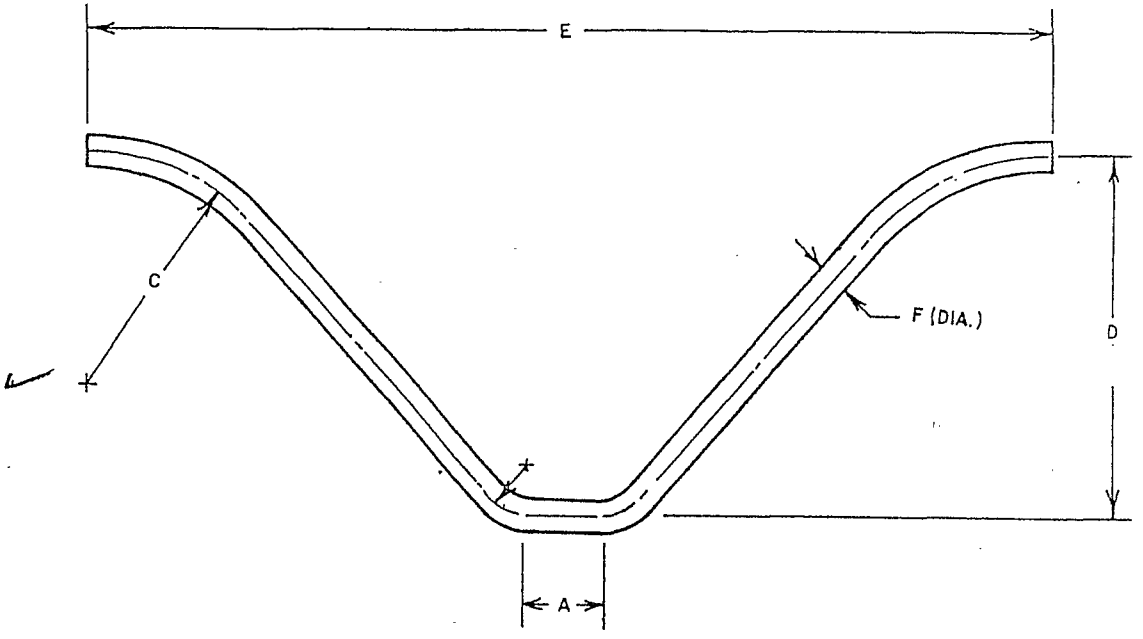
* PERFORMANCE GRAPH - PANELEX TP (Gunned)

BTU LOSS (Ft^2/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



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AR-731

ANC-CO, INC.

REFRACTORY AND
CONSTRUCTION ANCHORS