PLAINTIFF'S
EXHIBIT
GF-2356

RESEARCH LABORATORY REPORT — REPORT NO. K-3

BOUND BROOK — NOVEMBER 25, 1946

INSULATION: BLOCK & PIPE COVERING

FORMULA 88 - CALSILITE (AS COMPILED FROM PLANT REPORTS)

Average of 3 months Production At Gloucester

(August, September and October 1946)

FORMULA 88:

Lime (pulverized)	26.0%
Bentonite	13.3
Asbestos Fiber (52 parts Canadian 4K)	15.8
(48 " Amosite 3S)	
Silica Sand	37.0
Scrap	10.0
Ratio Solids/Water	15/85

	PIPE COVERINGS	BLOCKS
Density, As Received	13.16	12.39
" , Bone Dry	12.94	12.30
Hardness, As Received	0.71	0.80
Modulus of Rupture	65.33	54.37
Abrasion		
Loss of Weight, After First 10 mins.	12.19	16.43
" " " Second 10 mins.	21.45	27.12
Change Under Soaking Heat 6 hours at 1000°F		
Hardness Change	0.73	0.74
Loss Of Weight	9.07	10.35
Linear Shrinkage	0.33	0.34
Finging	Good	Good

Thermal Conductivity (from November production at Gloucester)

K - Factor At	200° Mean Temp.	0.407
	300°	0.462
	400	0.521
	500	0.580
	550	0.610

PAUL GORDON
Laboratory

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