PLAINTIFF'S EXHIBIT PLI-6

50# Bags

January, 1957

PLICAST AIR-LITE

FORMULA

Vermiculite Concrete Aggregate	45%	94#		188# [illegible]
#714 Beaver Asbestos	10%	21#		42#
Portland Cement	45%	94#	(1 bag)	188# [illegible]
	100%	209#		418#
Powdered Calcium Chloride	2% (of cement)	2#		3 3/4# Calcium Chloride

INGREDIENTS

Vermiculite: From Universal Zonolite Co. 34 1/2 #/bag

Asbestos: Starkie Co., 5461 W. Division, Chicago, Carl T. Schuster Co., 350 Norton Rd., Cleveland, Whittaker, Clark & Daniels, Inc., ~~260 W. Broadway~~, New York. 100 Church St.

Cement: Local Source 7D Asbestos #404 in 100# Bags

Calcium Chloride: ~~Dow Chemical Co., Midland, Mich.~~ in 350# drums. Solvay Process Co., New York

MIXING

Dry ingredients thoroughly mixed and packed in 25# 50# bags.

DATA

Wt. to Place 1 Cu. Ft.: 20 lbs.
Wt. in Service: 20-22 lbs.
Firing Properties:

	Linear Shrinkage	Modulus of Rupture
Dried at 230°F	0.00%	40 psi
Fired at 1000°F	1.30%	30 psi
Fired at 1500°F	1.45%	10 psi
Fired at 1800°F	1.60%	8 psi

CANCELLED

Thermal Conductivity:

M.C. 12/[illegible]

Mean Temp.	BTU/hr./sq.ft./inch/°F
400°F	0.59
800°F	0.60
1200°F	0.61

Water Ratio: 21 qts. (175%) per 25 lbs.
Service Limit: 1800°F as back-up insulation.

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