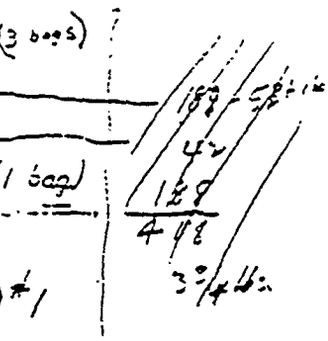
- 51

January 1963

Plicast Air-Lite

Formula:

Vermiculite Concrete Aggregate	45%	94# (3 bags)	188 - 5 8/16
#714 Beaver Asbestos	10%	21#	42
Portland Cement	45%	94# (1 bag)	188
	100%	209#	418
Powdered Calcium Chloride	2% (of cement)	2# (1 cup) #1	3 3/4 lbs.



Ingredients:

Vermiculite: From Universal Zonolite Co.

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

Cement: Local Source

Calcium Chloride: Solvay Co., Solvay, N.Y. in 350# drums.

Mixing:

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

Data:

Wt. to Place 1 Cu.Ft.: 20 lbs.

Wt. in Service: 20-22 lbs.

Firing Properties:

	Linear Shrinkage	Modulus of Rupture
[illegible]	[illegible]	40 psi
[illegible]	[illegible]	30 "
" " 1500°F	1.45%	10 "
" " 1800°F	1.60%	8 "

CANCELLED

TAE 12/5/[illegible]

Thermal Conductivity:

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

Water Ratio: 21 qts. (17.5%) per 25 lbs.

Service Limit: 1800°F as back-up insulation.

PLAINTIFF'S EXHIBIT PLI-66

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