PLAINTIFF'S EXHIBIT PLI-4

December, 1957

PLICAST LVI-24 G

Formula:

Fine Bat Grog	25%	176#
8 M L. W. Grog	31%	219#
Perlite	3%	21#
#714 Asbestos	1%	7#
Lumnite Cement	40%	282# (3 bags)
	100%	705#

Ingredients:

Bat Grog: Passing a 5x5x0.063" dia.,wire screen and retained on a 50x50x0.010" dia. wire screen.

L.W. Grog: Passing a 8x8x0.063" dia. wire screen.

Perlite: A-20 Perlite from Pa. Perlite Corp., Allentown, Pa. or Ryolex #1 from Silbrico Corp., Chicago.

Asbestos: Starkie Co., 5461 W. Division, Chicago., Carl T. Schuster Co., 350 Norton Road., Cleveland; Whittaker, Clark & Daniels, Inc., 260 W. Broadway, N.Y.

Cement: Lumnite cement from Universal Atlas Cement Co., N.Y.

Mixing:

Dry ingredients thoroughly mixed and packed in 100# bags.

Data:

Fusion Point: Cone 15 (2605°F)
Coeff. Thermal Expansion: 0.0000053 (53×10^{-7}) per °C.

Thermal Conductivity:

Mean Temp.	B[illegible]/sq. ft./inch/°F
500°F	2.50
1000°F	2.87
1500°F	3.06
2000°F	4.27

CANCELLED
M.C. 12/5/75

Firing Properties:

		Linear Shrinkage	Modulus of Rupture
Dried at	230°F	0.00%	400-500 psi
Fired at	1000°F	0.20%	300-400 psi
" "	1500°F	0.20%	300-400 psi
" "	2000°F	0.45%	400-500 psi
" "	2400°F	0.75%	900-1000 psi

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