January, 1963

PLAINTIFF'S EXHIBIT
PLI-7

Plicast LVI-24G

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 5 x 5 x 0.063" dia. wire screen and retained on a 50 x 50 x 0.010" dia. Monel screen.

L.W. Grog: Passing a 8 x 8 x 0.063" dia. wire screen.

Perlite: A-20 Perlite from Pa. Perlite Corp., Allentown, Pa. or Ryolex [illegible] 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, New York.

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

Mixing:

Dry ingredients thoroughly mixed and packed in 100# bags.

Data:

[illegible] (2605°F.)

[illegible] Expansion [illegible] per °F.

[illegible]

Mean Temperature	[illegible] °F.
2/6/75 500°F	[illegible]
1000°F	[illegible]
1500°F	[illegible]
2000°F	[illegible]

CANCELLED

Firing Properties:

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

Wt. to Place 1 cu. ft.: 95 lbs. (including rebound)
Wt. in Service: 85-90 lbs. per cu. ft.
Temperature Limit: 2400°F.

