PLAINTIFF'S EXHIBIT

GP-413

BESTWALL GYPSUM COMPANY

Messrs. H. J. Zelms - Acme
M. M. Powers - Akron
Myron Read - Fort Dodge
A. H. TenElshof - Grand Rapids
E. L. Flinn - Sigurd

February 19, 1958

Paoli Laboratory

THIS COPY FOR

BESTWALL LITE ACOUSTICAL PLASTER

C. G. Shuttleworth - cw

CGS

cc: Messrs. O. F. Grieve - Paoli
J. I. Trolley - Ardmore
C. E. Abbey - "

Development work on the new spray on acoustical plaster has been completed and satisfactory sound absorption and light reflection tests concluded. Numerous jobs have been followed and application has been satisfactory.

Mr. Abbey will write Mr. Grieve requesting which plants are to manufacture and quantities of raw materials to be stocked. He is particularly interested in getting this material available at Fort Dodge.

Bags have been designed and approved.

A one ton Broughton type mixer will handle 500 lbs. Smaller mixers will require proportionately smaller batches.

Attached is formula, raw material specifications, and mixing directions.

Enclosures

* * *

BESTWALL RECEIVED
FEB 21 1958
GRAND RAPIDS GYPSUM

SGP 0018782

February 19, 1958
Paoli Laboratory

Jov 20 Jans

FORMULA

FORMULA	Percent	Batch - 5[illegible]
Bentonite Clay	15.0	75.0 lbs.
Asbestos	28.6	143.0 "
Perlite	56.0	280.0 " (35 cu.ft.)
Tetra Sodium Pyro Phosphate	0.15	0.75 " (12 oz.)
Ultrawet D.S.	0.25	1.25 " (20 oz.)

Add asbestos first and mix 3 minutes to break up the lumps, then add other ingredients and mix for 3 additional minutes.

- - -

R. M. SPECIFICATIONS

1 Bentonite Clay
Wyo-Gel 200 mesh high gelatenising grade - George A. Rowley & Co., Philadelphia, Pa.

2 Asbestos - 7D - Must not be pressure packed. - Philip Carey & Co.

3 Perlite - Our own material (8 lb. per cu.ft.)

4 Tetra Sodium Pyro Phosphate (small pellets). At least 75% minus 20 mesh.
Monsanto Chemical Co.

5 Ultrawet DS - Atlantic Refining Co.

This plaster should mix up to plastering consistency using 330 W/DM. It should contain numerous small air bubbles and mortar should be lump free. Be especially watchful for asbestos lumps as lumps interfere with spray application. Directions for use are on the bags.

* * *

CGS:cw

4128

February 19, 1958
Paoli Laboratory

FORMULA

FORMULA	Percent	Batch
Bentonite Clay	15.0	75.0 lbs.
Asbestos	28.6	143.0 "
Perlite	56.0	280.0 " (35 cu.ft.)
Tetra Sodium Pyro Phosphate	0.15	0.75 " (12 oz.)
Ultrawet D.S.	0.25	1.25 " (20 oz.)

Add asbestos first and mix 3 minutes to break up the lumps, then add other ingredients and mix for 3 additional minutes.

\- - -

R. M. SPECIFICATIONS

1. Bentonite Clay
   Wyo-Gel 200 mesh high gelatenising grade - George A. Rowley & Co., Philadelphia,Pa.
2. Asbestos - 7D - Must not be pressure packed. - Philip Carey & Co.
3. Perlite - Our own material (8 lb. per cu.ft.)
4. Tetra Sodium Pyro Phosphate (small pellets). At least 75% minus 20 mesh. ✓
   Monsanto Chemical Co.
5. Ultrawet DS - Atlantic Refining Co.

This plaster should mix up to plastering consistency using 330 W/DM. It should contain numerous small air bubbles and mortar should be lump free. Be especially watchful for asbestos lumps as lumps interfere with spray application. Directions for use are on the bags.

* * *

CGS:cw

Ardmore February 19, 1958 Paoli Laboratory

Mr. C. E. Abbey BESTWALL LITE ACOUSTICAL PLASTER

C. G. Shuttleworth - cw

Confirming our phone conversation today, Riverbank phoned me that the panel had been tested for sound absorption and resulted in an N.R.C. of 0.565. I discussed your proposal with Mr. Hoggatt and we agreed to your request asking for publishing a claim of 0.55 to 0.60 N.R.C.

* * *

9

~~0.55~~

125	0.25
250	0.27
500	0.52
1000	0.69
2000	0.78
4000	0.88

Riverbank Acoustical

2/18/58

NRC 0.565 CGS

Will get 0.55

Bentonite costs - $33 to 35 ton
Asbestos - $90 to 100 ton

	Batch	Percent	Ton	50 tons
Bentonite -	75 lbs.	15.0 %	300 lbs	15,000 lbs
Asbestos -	143 "	28.6	572 "	25,600 lbs
Pulp -	280 " (35 cu ft)	56.0 %	1120 "	
Phosphate -	0.75	0.15 %	3 "	
[illegible]	1.25	0.25 %	[illegible]	

SGP 0018785