

BESTWALL GYPSUM COMPANY

Messrs. H. J. Zelms - Acme

February 19, 1958

Paoli Laboratory

M. M. Powers - Akron

Myron Read - Fort Dodge

A. H. TenElshof - Grand Rapids

E. L. Flinn - Sigurd

BESTWALL LITE ACOUSTICAL
PLASTER

THIS COPY FOR

C. G. Shuttleworth - cw

CSB

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.

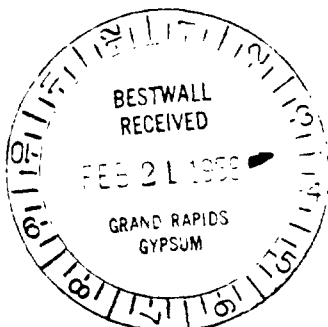
Bags have been designed and approved.

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

* * *



SGP 0018782

February 19, 1958
Paoli Laboratory

Jan 20 Jan

FORMULA

FORMULA

Percent

Batch - 571.11K

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.)

6000
11440
20000
60
100
10000

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 gelatinizing 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:cv

1000 lbs. 1000 lbs. 1000 lbs.
1000 lbs. 1000 lbs. 1000 lbs.

1000 lbs. 1000 lbs. 1000 lbs.

SGP 0018783

File
February 19, 1958
Paoli Laboratory

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* * *

CGS:cw

SGP 0018784

Ardmore

February 19, 1958

Paoli Laboratory

Mr. C. E. Abbey

BESTWALL LIFE 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.

g

2

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

N.R.C. 0.565

CJB

Will get 0.55

Pentons' costs - \$336.35 ton
Substos - \$190.00/100 lbs.

	Batch	Percent	Ton	50 tons
Pentons' -	75 lbs.	15.0%	300 lbs.	15,000 lbs.
Substos -	143 "	28.6%	572 "	28,600 lbs.
Paint -	280 (35 mfl.)	56.0%	1120 "	
Substos -	0.75	0.15%	3 "	
Substos -	1.25	0.25%	9 "	

SGP 0018785