PLAINTIFF'S EXHIBIT
USG-372

REQUEST FOR NEW OR REVISION OF OPERATING BULLETIN

GENERAL DISTRIBUTION
170-K (3 COPIES)

PLANT DISTRIBUTION-ONLY
_____ SEND ORIGINAL & 3 COPIES TO THE PRODUCTION MANAGER

DATE 3-29-63

BULLETIN 61-2-29 (New)
Temporary

SUBJECT: Durabond One Day Joint System Compound

PLANTS CONCERNED: Gypsum

DETAILS AND OBJECT OF PROPOSED PRACTICE: (INDICATE WHAT IS WANTED, LIST MAJOR CHANGES, EXPLAIN WHY CHANGE IS WANTED).

Gypsum co manufacture a new, lower cost, Durabond formula for field tests and other shipments as directed by Dept. #147-5. Specifications for manufacture are shown on attached pages.

EFFECT ON QUALITY: The new formula has considerably improved set stability over a wide temperature range, is easier mixing, and is easier sanding at substantially lower cost with no adverse affects on other properties in Lab. tests.

ECONOMICS: (EXPLAIN EFFECT ON FACTORS BELOW IF APPLICABLE TO PROPOSAL)

			SOURCE OF INFORMATION PERSON	DEPT.	DATE
Raw mat'l MILL COST	(CURRENT) $5.93 cwt	(EXPECTED) $4.60 cwt	WCA	151-L	3-29-63
SELLING PRICE	(CURRENT)	(EXPECTED)			
SALES VOLUME					
EQUIPMENT CHANGES AND CAPACITIES	None		WCA	151-L	3-29-63
RAW MATERIALS, CONTAINERS, LABELS OR TAPES MADE OBSOLETE *	None		WCA	151-L	3-29-63
FINISHED PRODUCTS OBSOLETED BY THIS PROPOSAL OR REQUIRING SPECIAL DISPOSITION ACTION	None		WCA	151-L	3-29-63

INSTRUCTIONS:

All information requested is required to obtain approval. Mark "Not Applicable" where required. INCOMPLETE REQUESTS WILL BE RETURNED.

Use back of this sheet or additional sheets if necessary. Attach laboratory test reports, field trip reports, and copies of pertinent correspondence.

See Bulletins 1-1 & 1-2 for additional instructions. Plants to supplement request with marked-up copies (photo copy will do) of bulletin showing proposed revision.

*PLANTS WILL USE UP PRESENT STOCKS OF CONTAINERS, LABELS AND TAPES UNLESS REVISED BULLETIN INDICATES OTHERWISE.

DO NOT FILL OUT THIS SECTION — PERSONS TO APPROVE WILL BE LISTED BY DEPT. 170-K.

PLEASE SIGN BULLETIN HERE

DEPT.	NAME	INITIALS	DATE SIGNED

HAVE THE CORRESPONDING CHANGES IN OTHER COMPANY BULLETINS AND MANUALS BEEN REQUESTED?

N?A

REQUEST PREPARED BY - W. C. Anderson

FOR DEPARTMENT 151-L

REV. 12/61 (PRINTED IN U.S.A.)

Formula	GB-79
Air separated Hydrocal	to make 100%
JM/NFI Asbestos (3.0-4.5% in lab batches)	about 4.0% (as req'd. for normal consistency)
Shawinigan GP-702	4.0%
Vancide 51-8	0.15%
Mica JC	0.7 formula V
Sur-X	1[illegible].5%
Natrosol SG-62	0.5%
Santicizer #9	0.4%
Krause 3825 Starch	3.0%
Dicyandiamide	0.3%
Potassium Sulfate	0.3%
Commercial Retarder	about 0.15% (adjust retarder to give proper set)
Citric Acid	0.1%
Tributyl Phosphate: Neutralizer 50T50*	0.203%

*Do not use Storox in this liquid mix

Finished Product Tests
Consistency - 57 to 60 cc for 400 ± 20 Brabender at 77°F
pH - 7.9 to 8.2 at 77°F, 15 min. after mixing
Bond - 4 minimum (75°F - 50% R.H.)
Color - natural
Set time spec. - 4 to 5 hours with Vicat needle in Dixie cup at 70-75°F.
** Blend in retarder or accelator to adjust proper set time.
** When determining set, the temperature must not exceed 75°F.

Raw Materials - Per 61-2-29A except as follows:

Krause 3825	Per bulletin 6-55-5
Citric Acid	0616 USP Granular from Mallinckrodt Chem. Co., St. Louis, Mo.

Processing - Per Bulletin 61-2-29A

Packaging - Per Dept #147-5 except the letter P to follow regular code.

Shipment - As directed by Dept. #147-5.

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