PLAINTIFF'S EXHIBIT
tabbies AL-595

the Aluminum Association
Incorporated

750 Third Avenue, New York
N.Y. 10017

(212) 972-1800

June 24, 1977

To: Technical Committee's Task Group on Refractories for Molten Aluminum

Subject: Task Group Report

Gentlemen:

Attached is a draft of the compilation of refractories for components of molten aluminum transfer systems prepared at your June 16 meeting in Pittsburgh.

Will you kindly review the draft and let me know if you have any corrections. Kindly send your comments to me at our new address - 818 Connecticut Avenue, N.W., Washington, D.C. 20006, where we will be located as of July 1.

Many thanks for your help on this.

Sincerely,

P. V. Mara

PVM:jg
Enc.

cc: K. V. Blankmeyer, Esq.

REPORT
OF

ALUMINUM ASSOCIATION TECHNICAL COMMITTEE TASK GROUP ON REFRACTORIES FOR MOLTEN ALUMINUM TRANSFER SYSTEMS

H. E. Miller, Chairman
D. D. Foley
E. L. Rooy
J. D. Svatos
H. H. Swarm
F. O. Traenkner

1977-06-16

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REFRACTORIES USED IN PRODUCTION FOR COMPONENTS OF MOLTEN ALUMINUM TRANSFER SYSTEMS (1) (3)

Trough Linings

Phosphate bonded alumina brick - DV38 (AP Green)
- Refrax 50 (Carborundum Co.)

Calcium aluminate bonded mineral wool - JM 375 L (Johns Manville)

Fused silica castables (Variety of sources & designations)

Light weight insulating castables:

- Lite Cast 7528 (General Refractories)
- HW Lightweight 2800 (Harbison Walker)
- Blaze Crete 2300 AR (Johns Manville)
- Panelex Super (Quigley)
- Kastolite 30 (AP Green)
- Wahlcast 2250 ES (Wahl Refractories)
- Wahlcast SJP (Wahl Refractories)

Phosphate bonded high alumina plastics (Variety of sources & designations)

Dense castables:

- Tabular alumina concretes (Variety of sources & designations)

Vacuum formed ceramic fiber shapes (Variety of sources & designations)

Thermosil Castable T.G.	(Thermo Materials)
Thermosil 910	(Thermo Materials)
Molten Metal Maranite	(Johns Manville)
Marinite XL	(Johns Manville)
Fiberfrax	(Carborundum Co.)
S820 Castable	(Glasrock Products, Inc.)
Purocast-N	(Kaiser Refractories)
Si-Foam Block #50	(Glasrock Products, Inc.)
Preformed Trough Tile-Si-Foam	(Glasrock Products, Inc.)

Basin Linings (Feed Boxes)

Brik-Cast Al (87% Aluminum) (General Refractories Co.)

JM 357 L (Johns Manville)

Molten Metal Marinite (Johns Mansville)

Marinite 65 (Johns Manville)

Panelex Super (Quigley)

LDS Moldable (Carborundum Co.)

Thermosil Castable (Thermo Materials)

Headers

Molten Metal Marinite (Johns Manville)

Marinite 45 (Johns Manville)

Marinite XL (Johns Manville)

Vacuum formed ceramic fiber (Variety of sources & designations)

Trough Packing

Ceramic fiber rope (Variety of sources & designations)

Ceramic blanket (Variety of sources & designations)

High temperature glass fiber (Variety of sources & designations)

Fiberfrax (Carborundum Co.)

Floats

Molten Metal Marinite (Johns Manville)

Maramet (Johns Manville)

Marinite XL (Johns Manville)

Marinite 65 (Johns Manville)

Stainless Steel (Variety of sources & designations)

Fused silica and vacuum formed ceramic fiber (Variety of sources & designations)

Carbon (graphite)

Spouts, Control Rods (Metal Distributors for Vertical D.C. Casting)

Fused silica (M&T)

Foamed silica (M&T)

Thermo-sil 910 (Thermo Materials)

Masrock (Glasrock Products Inc.)

Masrock 105 (M&T)

Glasrock (Glasrock Products, Inc.)

Molten Metal Marinite (Johns Manville)

Cast iron

Graphite

Continuous Process Feed Tips

Thermosil Castable (Thermo Materials)

Molten Metal Marinite (Johns Manville)

Experimental Refractory Board Materials (2) (3)

XL Board	(Johns Manville)
WRP Board	(Refractory Products Co.)
Monolux 50	(Cape Board and Panels, Ltd.)
"M" Board	(Babcock and Wilcox)
D-28 Board	(Enercon Co.)
Pyroceram	(Corning Glass Co.)
Insural 50	(Foseco)
Centolite 50	(CMT Industrial Supplies Ltd.)

(1) Materials reported by members of the Aluminum Association as having been used in commercial production for components of molten aluminum transfer systems.

(2) Materials reported by members of the Aluminum Association as having been tested for use with molten aluminum. Insufficient testing has been done to determine their suitability for production use, nor is commercial availability assured.

(3) These lists of proprietary products have been provided by member companies of the Aluminum Association as a service. No attempt has been made by the Association to evaluate their effectiveness, nor does listing here constitute an endorsement, or warranty that they are suitable for the purpose. The list is not to be considered all-inclusive; other equally suitable products may be available. The responsibility for the selection, determination of suitability and proper application of any refractory products is left to the user.

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Company Addresses

The Carborundum Company, Carborundum Center, Niagra Falls, New York 14302

A.P. Green Refractories Co., Green Blvd., Mexico, Mo. 65265

Etc.

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