

FROM J. A. SMITH

PITTSBURGH OFFICE - WPH 4

H & S
Industrial Hygiene

BDD
TBB
RMJ
HGS
PHS
MJV

SEP 13 1979

MLF
JD
CCD
DB
LMN
EDS

E. E. RUMBERGER

PITTSBURGH OFFICE - AB 749

1979 September 11

RE: ASBESTOS

In reference to your letter of August 27, there are several areas of asbestos used in electrical work which are not covered.

One application is high temperature wire and cable for use on smelting pots and on furnaces. We will use silicone rubber with either glass braid or a new product Rockhide for these applications. The attached memorandum and literature was sent to smelting electrical people.

Another application is flamemastic fireproofing material for cables in ladder. The vendor (Flamemaster) has changed his formulation to eliminate asbestos.

J. A. Smith
J. A. SMITH

JAS/gdj

Attachments

cc: H. G. Sakoian - AB 7
J. M. McCollum - WPH 3
D. D. McGregor - AB 23
C. E. Pittman - WPH 4
L. C. Drapela - WPH 4

*Doing
Again my question
concerning others like
flamemast on other
applications. Furnaces for
ingot casting etc.
Other plants & people to be
covered? (other than something?)*

PLAINTIFF'S
EXHIBIT
AL-1436

APC 003872



FROM

R. L. WHITE

TO

MEMORANDUM

J. A. Smith

PITTSBURGH OFFICE - WPH 4

1979 AUGUST 29

RE: HIGH TEMPERATURE CABLE FOR EXPOSED POT SUPERSTRUCTURE WIRING

I have attached some sales literature and a sample of a newly developed wire and cable covering which appears to be well suited for the captioned application. Of particular interest are the qualities of high abrasion resistance, high temperature rating, and asbestos free construction.

There has been a requirement for asbestos free pot wiring on the last two new potline designs. At the moment, Rockbestos seems to have the only product that meets all requirements. If you happen to be contemplating new construction or rewiring of superstructures, this information may be useful.

This is still a very new product so I cannot offer any experience on delivery or quality control. Should you decide to try the Rockhide we would be very interested in the results.

Cable construction is not limited to those listed on the brochure and can actually be supplied in about any configuration desired.

Russ White

R. L. White

RLW:mj

cc: L. C. Drapela/J. A. Smith/File - Pgh., WP 4	(Without Sample)
<u>L. F. Sproat - Pgh., WP 4</u>	" "
P. R. Atkins - Pgh., AB 7	" "
J. R. Archibald/R. R. Corley - Pgh., AB 7	" "
T. I. S. Boak, Jr. - Pgh., AB 14	" "
C. L. Pittman - Pgh., WP 4	" "
B. P. Wilkerson - ATC	" "
R. W. Wrenn - Pgh., AB 23	" "
T. J. Sherman - Pgh., AB 20	" "
A. N. McLean - Pt. Henry	" "
R. D. Wilkins - Badin Works	
J. C. Webb - Pocos De Caldas, Brazil	
J. M. Shaw - Massena	
Rene Ortiz/Rafael Arrendondo B. - Veracruz, Mexico	
J. Lemizis - Pt. Comfort	
R. L. Hartley - Palestine	
W. B. Howell - Rockdale	
T. I. Rustwijk - Suriname	
W. E. Woodward - Tennessee	
I. R. Schmidt - Vancouver	
J. K. Deshaizer - Warrick	
P. H. Gomulkiewicz - Wenatchee	

APC 003873



Now,
in the world of high
temperature cables,
there's a third reason
for Rockbestos.

1918 — Rockbestos Company was formed to produce the first truly high temperature wire insulated with asbestos utilizing the patents of J. Allen Heaney.

1938 — Rockbestos develops first high temperature glass fiber outer braids for smaller diameter and lighter weight coverings.

1978 — Now — "Rockhide", a tough, outstanding, abrasion resistant braiding material developed as a third choice for wire and cable design engineers. "Rockhide" braids are an excellent alternate choice to asbestos and glass for applications up to 200° C.



THE ROCKBESTOS COMPANY
NEW HAVEN, CONNECTICUT 06511 USA

Member of The Marmon Group



Rockhide braid with saturant

APC 003874

Rockbestos® Rockhide® Braid

- PERFORMS AT TEMPERATURES UP TO 200° C
- SUPERIOR ABRASION RESISTANCE
- GOOD CUT THROUGH & CRUSH RESISTANCE
- FLEXIBLE

Although glass and asbestos braids will perform on wire rated up to 400° C, glass is noted for mechanical fragility and asbestos does not have the abrasion resistance of Rockbestos® ROCKHIDE® braid.

The superior abrasion resistance of ROCKHIDE® is described in the comparison table below:

ABRASION RESISTANCE TEST* (According to Spec. MIL-C-5756)

Braid	Finish Type	Cycles to Failure
Rockhide®	Solvent	765
Asbestos	Solvent	219
Glass	Solvent	69
Rockhide®	Hot Melt	397
Asbestos	Hot Melt	268

* Test specimens were 3 foot lengths of single conductor cable with a silicone insulation. A 1½ pound weight was used.

ROCKHIDE® braid is available on the following cables:

TABLE	SIZE
SR-MLA	14 AWG to 750 MCM

TABLE	SIZE	NUMBER OF CONDUCTORS
SR-MH	16 AWG	2-12
SR-MF	14 AWG	2-12
SR-MD	12 AWG	2-19
SR-MG	10 AWG	2-12

Information on additional constructions available on request.

ROCKHIDE® braid successfully passes the following flame tests:

U.L. Vertical Flame Test

IEEE 383 Tray Flame Test
(70,000 BTU/HR.)



THE ROCKBESTOS COMPANY

NEW HAVEN, CONNECTICUT 06504 USA TELEPHONE: (203) 772-2250 TELEX: 710-465-2149



A MEMBER OF THE MARMON GROUP

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