

Superox

PLAINTIFF'S
EXHIBIT
K-1464

Manville
August 27, 1954

E.C. Lindstrom, DHQ.
Attention: ~~D.B.~~ Wingerter

N.Y. Naval Yard
U.S.S. Saratoga
Superox Specification for Pipe Covering
Yours of 8/25/54

We have reviewed your subject letter with the Control Laboratory and the following are their comments.

"Manville Factory can meet proposed specification on an S.P.P.I. basis since the information currently available is based on a small trial production run made in June 1953 with low magnesia content (5%).

Physical and chemical tests on this product show:

	1953 <u>Special Superox</u>	Spec. <u>MIL-I-2781-A</u>
Density	25.9#	27# maximum
M.R.	.80 approx.	-
Index	3.09	3 minimum
Abrasion Loss:		
10)	No data	55% maximum
20)	available	80% maximum
Shrinkage - soaking heat		
24 hrs. @ 1000°F		
Aver. Linear	.2%	.46% maximum
Volume	.6% approx.	1.4% maximum
Magnesia	5.4%	5% maximum

The Fibre Length Clause is O.K. Our present fibre blend will meet the requirement of 10% by weight shall be 3/4" or over in length."

The requirement of solubility in dilute Hydrochloric of 5% maximum would require very careful control; there would be a tendency to run over.

Linear shrinkage at 1000°F will require a special product. We will have no trouble meeting this specification; suggest changing linear from .46% to .5%.

DEFENDANT'S
EXHIBIT
01-32