MVL R+D 1990

Johns-Manville Research Center

Report No. 431-368

Date December 11, 1959

Title: RESEARCH DETERMINATIONS OF PROPERTIES ON JM-20, JM-23, JM-26, JM-28 and JM-3000 INSULATING FIRE BRICK FINISHED FROM NOVEMBER 5, 1958 TO APRIL 22, 1959.

Requested by: Manufacturing Service Requests Z-44, Z-45, Z-48, Z-50 and Z-51.

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SUMMARY

Tests were conducted on insulating fire brick to provide data on the properties that are not determined at the Quality Control laboratory at Zelienople.

The production dates for the random samples were:

JM-20 IFB molded November 5, 1958 to March 5, 1959
JM-23 IFB finished April 7 and 10, 1959
JM-26 IFB finished February 1959
JM-28 IFB finished April 1, 1959
JM-3000 IFB finished April 22, 1959

The linear change of JM-26 insulating fire brick after firing at 2600F for 24 hrs was -2.1 per cent and the specified maximum is -2.0 per cent. Quality Control Report No. 7612 showed -2.7 per cent linear change for this sample. All other properties of JM-26 insulating fire brick complied with the Finished Product Specifications.

JM-20, JM-23, JM-28 and JM-3000 insulating fire brick complied with all the requirements of the Finished Product Specifications.

The objectives of Manufacturing Service Requests Z-44, Z-45, Z-48, Z-50 and Z-51 were attained.

Contents: Summary, Appendix I, Appendix II (Photographs and Chart).

Approved S. E. Wooley
S. E. Wooley

Reported H. Shimanowitz
H. Shimanowitz

bd

cc: C. F. Rassweiler, GH (+S)
Attn: H. S. Allen
J. E. Begert, GH (S)
D. L. Hinmon, DH (S)
J. B. Jobe, DH (S)
W. D. Gaches, DH (S)
N. J. Kent, DH
E. C. Lindstrom, DH
C. A. deVyver, DH
C. E. Ernst, DH
R. E. Robinson, Zelienople
H. R. Bennett, Zelienople
G. B. Brown (2+S)
J. A. McKinney
S. E. Wooley
File:
W. M. MacAlpine
Library (5) and C

Notebook No. 1819, pp 12, 13, 20, 22, 23, 37-41.

PLAINTIFF'S EXHIBIT K-1613

DEFENDANT'S EXHIBIT AI-184

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