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CANADA

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

OTTAWA

Mines Branch Investigation Report IR 58-62

TESTING OF CASTABLE REFRACTORY

J-M 3X FIRECRETE, SAMPLE NO. 109, FOR

CANADIAN JOHNS-MANVILLE CO. LTD.

by

S. Matthews

Industrial Minerals Division

April 11, 1958

TEST DATA

Sample No. 109
Product Castable Refractory
Brand Name J - M. 3X Firecrete
Submitted by Canadian Johns-Manville Co. Ltd.

	<u>A.S.T.M. Nomenclature</u>	<u>Results</u>
C 92 - 56	<u>Particle Size</u>	
	Sieve No. -4, +6	- 8.5%
	Sieve No. -6	- 91.5%
C 24 - 46	<u>Pyrometric Cone Equivalent</u>	- 34 - 35
	Approx. Temperature	- 3205 - 3245°F
C269 - 51.F	<u>Permanent Linear Change</u>	- 0.9%
	after 5 hrs. at 2910°F	
C268 - 51.F	<u>Modulus of Rupture *</u>	
	After drying at 230°F	- 640 p.s.i.
	After firing at 2000°F	- 340 p.s.i.

J-M 3X Firecrete, Sample No. 109 meets the requirements of
C.G.S.B. Spec. 10-GP-8 for Class A.

SM/LHD

S. Matthews