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CANADA

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

OTTAWA

Mines Branch Investigation Report IR 58-114

TESTING OF CASTABLE REFRACTORY  
DEFKO-SET, SAMPLE NO. 163, FOR  
DOMINION FIRE BRICK & CLAY  
PRODUCTS LIMITED

by

S. Matthews

Industrial Minerals Division

July 15, 1958

Test Data

Sample No. .... 163  
Product ..... Castable refractory  
Brand Name ..... Defco-set  
Manufacturer ..... Dominion Fire Brick & Clay Products Ltd.

	<u>ASTM Nomenclature</u>		<u>Results</u>
C 92-46	<u>Particle Size</u> Through No. 6 Sieve	-	100%
C 24-56	<u>Pyrometric Cone Equivalent</u> Approx. Temperature	-	Cone 16 2716°F (1491°C)
C269-51T	<u>Permanent Linear Change</u> after 5 hrs at 2250°F	-	0.2% Exp.
C268-51T	<u>Modulus of Rupture</u> After drying at 230°F After firing at 2000°F	- -	510 psi 225 psi

Defco-set, Sample No. 163, meets the requirements  
in Spec. 10-GP-8 for Class B.

SW/LED

S. Matthews