MVL R & D 1990

JOHNS-MANVILLE RESEARCH AND ENGINEERING CENTER

Report No. 431-T-228

Date September 11, 1968

Title: CALCULATION OF SPECIFIC HEAT OF INSULATING FIREBRICK

Request No. SSR IN-909 (Complete)

SUMMARY

The specific heats of insulating Firebrick were needed for calculation of heat storage of various combinations of insulations and the equipment measuring specific heat was not readily available. Therefore, a method described by Thuret in the Journal of Glass Technology (1936) was used to calculate the specific heats from the chemical composition of each type of insulating Firebrick. In order to check the validity of the method, values were calculated for three types of brick for which measured values were available and agreement was fairly good.

Contents: Introduction, Discussion, and Appendix I (Tables 1 and 2).

Reported by G. R. Kinzer

G. R. Kinzer
Basic Physics Research Section

k

cc: M. W. Burleson, DH (S)
A. Pocius, DH (S)
H. E. Konrad, DH
J. A. Campbell, DH (S)
C. E. Ernst, DH
D. B. Wingerter, Mvl
R. E. Robinson, Zel
Attn: D. S. Fischer

F. L. Pundsack (2~~+8~~)
S. Speil
L. R. Blair
S. E. Wooley
H. F. Remde
G. R. Kinzer
R. O. Heverly
Library (2)

JM CONFIDENTIAL. Not for general distribution or republication.

PLAINTIFF'S EXHIBIT K-1567

DEFENDANT'S EXHIBIT OI-138

Notebook 3641, pp. 142-144

File 431