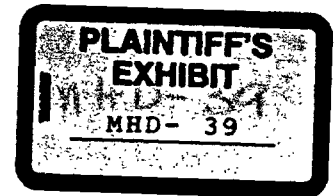


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EXHIBIT B

ARMOUR RESEARCH FOUNDATION
CHICAGO, ILLINOIS



May 23, 1944

M. H. Detrick Company
111 West Washington Street
Chicago 2, Illinois

Re: Test No. 3475-E

Gentlemen:

Samples of insulating materials were sent to this laboratory for test.

The samples consisted of the following materials:

1. Mineral Wool Insulating Block

- II. Monoseal - Mix #A
- III. Monoseal - Mix #B

Monoseal Mixes (by Weight)

<u>A</u>		<u>B</u>	
Mineral Wool	100 parts	Mix "A"	15 parts
Asbestos	22 parts	Calcined Diatomaceous	
Bentonite	28 parts	Earth	2 parts
Calcined			
Diatomaceous			
Earth	56 parts		
Lumnite			
Cement	150 parts		

The mineral wool block was cut into sections approximately 2" x 1" x 6" and the Monoseal mixes were wet with enough water so that they could be molded into block 1" x 1" x 6". These blocks were allowed to set for 24 hours and then dried.

The molded blocks and cut sections were placed in an electric kiln, brought up to a temperature of 1100° F. overnight. The next morning the temperature was raised to 1200° F. and held there for 20 minutes, after which the first test block of mineral wool was removed from the furnace and cooled in air.

Other samples of each mix were taken from the furnace, in the same manner, at intervals of 1400, 1600, 1800 and 2000° F. All samples received identical heat treatment as indicated for the 1200° F. temperature except for one sample of mineral wool. This test block was placed in the furnace at 1800° F. and removed at the 2000° temperature interval.

No visible change took place in any of the samples tested except for a change in color and a slight linear shrinkage.

Respectfully submitted,

ARMOUR RESEARCH FOUNDATION

R. S. Olsen (signed)