



CEKAM, Enerji Kaynakları Uygulama ve Araştırma Merkezi

Determination of Thermal Conductivity (*)

Report No/Date: 15.03.2021

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**BORPAİNT BOYA VE YALITIM TEKNOLOJİLERİ İNŞAAT SANAYİ
TİCARET ANONİM ŞİRKETİ**

The thermal conductivity determination of the **BORPAİNT BOR MİNERALLİ İÇ DIŞ CEPHE ISI YALITIM BOYASI** producing in your company was made by a thermal conductivity tests. The experimental results are collected following.

DETERMINATION OF THERMAL CONDUCTIVITY

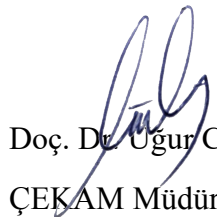
Thermal conductivities of the specimens were obtained by heat flow meter apparatus according to ISO 8301 standard. Specimens having the dimensions of 30 cm x 30 cm were used in experimental study. λ values are given in the Table below.

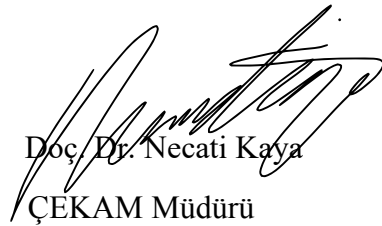
Specimen #	Specimen thickness (mm)	Thermal conductivity coefficient λ , (W/mK) (**)
1	1,7	0,020
2	1,8	0,021
3	2,0	0,021
	Average	0,021

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(*) This report is the English translation of the Turkish version having the same report number.

(**) Thermal conductivity coefficient is independent from thickness. In order to obtain the same thermal insulation performance from two materials having same thermal conductivity coefficient value, the materials should be applied with the same thickness.


Doç. Dr. Uğur Cengiz
ÇEKAM Müdür Yrd.


Doç. Dr. Necati Kaya
ÇEKAM Müdürü