



Çanakkale Onsekiz Mart Üniversitesi



ÇEKAM, Enerji Kaynakları Uygulama ve Araştırma Merkezi

Determination of Thermal Conductivity (*)
Report No/Date: 15.03.2021
Application No/Date: 15.01.2021

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

The thermal conductivity determination of the **BORPAİNT BOR MİNERALLİ İÇ DİŞ 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

Issuing of this document in any press is not allowed.

(*) 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

BORPAİNT ÇEKAM TEST RAPORU
BORPAİNT ÇEKAM DETERMINATION REPORT



Çanakkale Onsekiz Mart Üniversitesi



ÇEKAM, Enerji Kaynakları Uygulama ve Araştırma Merkezi

Determination of Fire Resistance (*)
Report Date: 15.03.2021
Application Date: 15.01.2021

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

The fire resistance determination of the **BORFIREPROOF BOR MİNERAL FIRE-RESISTANT PAINT** producing in your company was made by a flame test. The experimental results are collected following.

FIRE RESISTANCE DETECTION

1. The **BORFIREPROOF BOR MİNERAL FIRE-RESISTANT PAINT** specimen which is coated on Styrofoam foam 50 cm X 30 cm sized was applied flame for 120 minutes from 10 cm. (Average 1450 °C),
2. The **BORFIREPROOF BOR MİNERAL FIRE-RESISTANT PAINT** specimen which is coated on drywall sheet 25 cm X 25 cm sized was applied flame for 120 minutes from 10 cm. (Average 1450 °C),
3. The **BORFIREPROOF BOR MİNERAL FIRE-RESISTANT PAINT** specimen which is coated on cardboard 50 cm X 30 cm sized was applied flame for 120 minutes from 10 cm. (Average 1450 °C),

In all three experiments, it is observed that there is no ignition and no flames on the surface of samples exposed to flame for 120 minutes.

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Doç. Dr. Uğur Cengiz
ÇEKAM Müdür Yrd.

Doç. Dr. Necati Kaya
ÇEKAM Müdürü

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

Determination of thermal conductivity tests were carried out on the material named as **BORROOF PAINT** by producer. Test results are given below.

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	0,021
2	1,6	0,020
3	1,9	0,021
	Average	0,021

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Doç. Dr. Uğur Cengiz
ÇEKAM Müdür Yrd.

Doç. Dr. Necati Kaya
ÇEKAM Müdürü

BORROOF ÇEKAM TEST RAPORU
BORROOF ÇEKAM DETERMINATION REPORT



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Determination of Thermal Conductivity (*)
Report No/Date: 15.03.2021
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Determination of thermal conductivity tests were carried out on the material named as **BORSTUCCO** by producer. Test results are given below.

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	3,0	0,020
2	3,5	0,019
3	4,0	0,020
	Average	0,020

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Doç. Dr. Uğur Cengiz
ÇEKAM Müdür Yrd.

Doç. Dr. Necati Kaya
ÇEKAM Müdürü

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