

Form No. 120	Brandchemie GmbH	Other as per 2.00
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Burning Behaviour of Samples of G & H Montage

Task:

On 28 July 2000, Mr Vollmer passed 2 solid samples over to the laboratory, namely GeoThix and CarboLith PL. They had to be tested for their fire-preventive effects.

Test methods and results:

1. Flame-exposure test with a gas burner.

After a short exposure of 15 s to the flame, GeoThix showed a yellow smoking flame which continued to burn for about 5 s without further external influence.

CarboLith PL also showed a yellow smoking flame after a short exposure of 15 s to the flame and continued to burn for about 5 s without further external influence.

2. Heating the samples in the muffle furnace.

The foaming capacity was tested at 400° C for a period of 30 min.

GeoThix	0
CarboLith PL	0

The samples do not show foaming behaviour.

The samples only turned black due to incomplete oxidation of the organic components.

Furthermore, the weight loss due to heating was determined by heating the samples up to 400°C for a period of 30 min.

GeoThix	61,3
CarboLith PL	24,8

GeoThix lost 2.5 times more weight due to heating. This means that a higher quantity of the material was burnt.

The samples do not form insulating layers. The samples continued to burn independently after a short exposure to the flame. The material even constitutes a fire load which would have to be taken into account in the case of fire.

Laboratory
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