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HEIZUNGS-, LÜFTUNGS-,
KLIMA- UND SANITÄRTECHNIK
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Ihre Nachricht vom

Ihr Zeichen

Ihrer Zeichen

Datum

jp/mk

06.06.2002

Carbon monoxide levels of K-Flex insulation

Dear Dr. Wöss,

we would like to answer your questions and confirm to you as follows:

1. Already with our letter dated 07.11.2001 we confirmed that the maximum value for carbon monoxide should be approximately 500 ppm using DIN 53 436 test procedures at 400°C.
This seems to guarantee a limiting value of 35 % maximum of carboxihemoglobin (COHb) content in the blood of an exposed human after one hour.
At higher concentrations the ability for humans to escape during the exposure caused by a fire would be reduced drastically.
2. During the year 2000/2001 our institute together with your company carried out a scientific study of various insulation materials. A DIN 53 436 apparatus was used to find out the carbon monoxide development depending on the test temperature.
K-Flex ST proved to have carbon monoxide values for 30 and 60 minutes exposure of less than 500 ppm in the atmosphere of the exposition chamber.

With kind regards

EPA - Elektro-Physik Aachen GmbH


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