Test Report

JACKON Insulation GmbH

Product Emissions Test
(AgBB/DIBt Test Protocol –
French VOC label & 4 CMR)

JACKODUR KF 300

July 2011

Client:	**JACKON Insulation GmbH** Ritzlebener str. 1 29416 Mechau Deutschland
Date:	12 July 2011
Testing Laboratory:	Eurofins Product Testing A/S Smedeskovvej 38, DK-8464 Galten

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1 Introduction

On 10 March 2011 Eurofins Product Testing A/S received a sample of XPS foam named

JACKODUR KF 300
Non-halogenated/Thickness: 160 mm
Batch: 8301301P, Date of production: 05.01.11

for emissions testing in accordance with the AgBB/DIBt method and ISO 16000 (French regulation). The sample was clearly labelled, properly packaged and not damaged. Testing was carried out in the laboratories of Eurofins Product Testing A/S. Before starting the testing procedure on 4 April 2011 the sample had been stored unopened at room temperature.

2 Interpretation of the Results

The results of JACKODUR KF 300 can be summarised as follows:

2.1.1 AgBB/DIBt

- **No** carcinogens could be detected after 3 and after 28 days.
- The Total VOC ("TVOC") after 3 days was **below** the classification threshold of 10 mg/m³.
- The Total VOC ("TVOC") after 28 days was **below** the classification threshold of 1.0 mg/m³.
- The Total SVOC after 28 days was **below** the classification threshold of 0.1 mg/m³.
- The classification value R for the VOC substances with more than 5 µg/m³ after 28 days was **below** the classification threshold of 1.
- The Total VOC without assigned NIK value after 28 days was **below** the classification threshold of 0.1 mg/m³.
- The formaldehyde emission after 28 days was **below** the classification threshold of 120 µg/m³.

The tested product JACKODUR KF 300 complies with the requirements of DIBt (October 2008) and AgBB (May 2010) for use in the indoor environment.

2.1.2 French Regulation (VOC label and 4 CMR)

The emission of the tested product JACKODUR KF 300 corresponds to the emission class A+ of the French regulation on the labeling of product for construction or wall cladding or flooring and paint and varnish on their emissions of volatile pollutants (March 2011).

The test product JACKODUR KF 300 meets the requirements of the French directives from 04/30/2009 and 05/28/2009 on the conditions to the marketing of products for construction and decoration containing carcinogens, mutagens or toxic to reproduction category 1 or 2.