



DAP - PL - 2907.07

# Test Report

Client: Rockfon BV  
Industrieweg 15  
6045 JG Roermond  
NIEDERLANDE

Order-No. (Client):

**Order No. (MPA): 901 6371 000-2 /Sc/Kf**

**Test Item: Ceiling Element**

Specification Applied: EN 13 964: annex D, Testing of the impact resistance

Date of Receipt of Test Item: 2008.09.23

Date of Test: 2008.10.21

Date of Report: 2008.11.06

Page 1 of 3 text pages

Enclosures: 2

Supplements:

Total Number of Pages: 5

Number of Reports: 2 x Fa. Rockfon BV  
(1 x original, 1 x copy)

The test results relate only to the items tested.

Publication of this report in full or partly is only allowed with written authorization by MPA University of Stuttgart

**1** Purpose of investigation

Testing of the impact resistance according to EN 13984, annex D

**2** Description of the installation element

The element to be tested was the

**„Rockfon ceiling element“**

The tested suspended ceiling consists of a grid layout of main runners (type CMC 2800 / 0,4mm sheet steel) and cross tees (type CMC 2894 / 0,3 mm sheet steel).

In accordance with the tested module size, the distance between the main runners was 1200 mm and 600 mm between the cross tees.

Rockfon "Boxer" tiles of 40 mm thickness were placed within the 24mm exposed grid made from galvanised steel with a smooth, white visible surface.

The Rockfon "Boxer" tiles were secured in place with hold down clips (type CMC 817). Two clips were placed on the 1200 mm edge and one on the 600 mm edge.

As hangers "Nonius" hangers were used every 1200 mm

For the perimeter finishing C-profile trims (type 1449) were used

The grid layout could also be 1250 mm by 625 mm.

Alternatively "Samson" tiles can be used instead of "Boxer" or "SPORTFON NEO" tiles.

**3** Testing procedure

The tests were carried out according to EN 13964, annex D "Impact resistance".

The procedures applied are accredited according to DIN EN ISO/IEC 17025:2005 (DAR-registration-no. DAP-PL-2907.07, annex).

The tests were carried out at room temperature in the laboratory.

**4 Test results**

**Table 1: Impact resistance of the ceiling element**

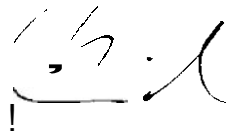
<b>Ball</b>	<b>Angle of impact</b>	<b>No. of impacts</b>	<b>Changes in the element</b>
Handball	90 °	12	none
Handball	60 °	12	
Handball	60 °	12	

**5 Evaluation**

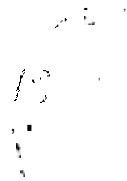
The tested element did not show any signs of damage after the test. Therefore it is classed as "class 2A" according to EN 13964, annex D (impact velocity 8,0+/- 0,5 m/s).

**This test report is valid until 2010-11-06**

A replicate test after 2010-11-06 is not necessary if the client can prove that the tested construction has not been significantly changed and is installed without any changes. This has to be certified by the testing house.



**Schmid**  
Tester



**Dipl.-Ing. Knauf**  
Section leader



Photo 1  
Total view: bottom side of the ceiling element  
„Rockfon ceiling element”



Photo 2  
Detail view: upper side of the ceiling element  
**„Rockfon ceiling element“**