



Test Report

Testing of safety against ball throwing

Report-No.: 905 1742 02e

Client: SIA "Stiga RM"
Meistaru iela 1, Kuldīga,
LV-3301, Latvia

Order-No. (Client): -

Order-No. (MPA): 905 1742 000

Test Item: ceiling paneling "Sonablock Fiber 1.5"

Specification Applied [1] DIN EN 13964:2014-08
Suspended ceilings — Requirements and test methods

Date of Receipt of Test Item 27.05.2026

Date of Test: 28.05.2026

Date of Report: 03.06.2026

Page 1 of 3 Textseiten

Enclosures : 3

Supplements:

Total Number of Pages: 6

Number of Reports: 1

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.

In compliance with DIN EN ISO/IEC 17025 accredited Testing Laboratory recognized by Deutsche Akkreditierungsstelle (DAkkS).
Accreditation valid for testing methods listed in the certificates.

1 Purpose of Investigation

With writing of 27.04.2026 you ordered the Materials Testing Institute University of Stuttgart with testing of impact-resistance according to DIN EN 13964 [1], annex D. on a ceiling paneling. For the test, a test specimen measuring approximately 1800 mm x 1800 mm was set up in the laboratory of the MPA at the University of Stuttgart (Figure 1 in enclosure 1).

1.1 Description of the element tested

The ceiling elements examined were the ceiling panels

"Sonablock Fiber 1.5 "

The ceiling paneling was installed as follows:

Panels size: 1200 mm x 600 mm x 25 mm

Screws: Sonablock screws 4,5 mm x 45 mm, screwed 9 times per tile.

Mounting profiles: CD profile 60 mm x 27 mm x 0,6 mm

The bearing profiles, axial dimension 600 mm.

The base profiles, axial dimension 900 mm.

The profiles in crossing points are connected with cross connectors.

Suspending- nonius hangers in a grid 900 mm x 900 mm.

A drawing of the tested ceiling panels is included in enclosure 2.

2.2 Execution of the tests and analyses

The test was performed according to DIN EN 13964 [2], Annex D (accredited test method according to DIN EN ISO / IEC 17025, see DAkkS-certificate D-PL-11027-04-02). The assessment of conformity shall not take into account the uncertainty of measurement of the test results. The test was performed in a laboratory at 25 °C.

2 Results of Investigation

Table 1: Results of determination of impact-resistance acc. to DIN EN 13964 [1], annex D on the ceiling panels "**Sonablock Fiber 1.5**"

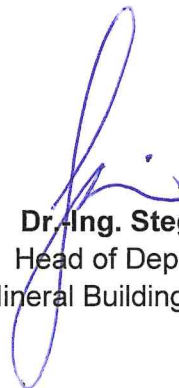
Ball	Impact angle in degree	Number of tests	Impact speed [m/s]	Deterioration of test item
Handball	90	12	Class 2A 8,0 ± 0,5	Abrasion of wood fibres (Figure 2 in enclosure 3)
Handball	60	12		
Handball	60	12		

The tested element passed the test without damage.

Therefore, the element can be evaluated as impact-resistant according to DIN EN 13964 [2], Annex D, for the Class 2A (impact speed 8,0 ± 0,5 m/s).



N. Schulz
Testing Engineer



Dr.-Ing. Stegmaier
Head of Department
Mineral Building Materials

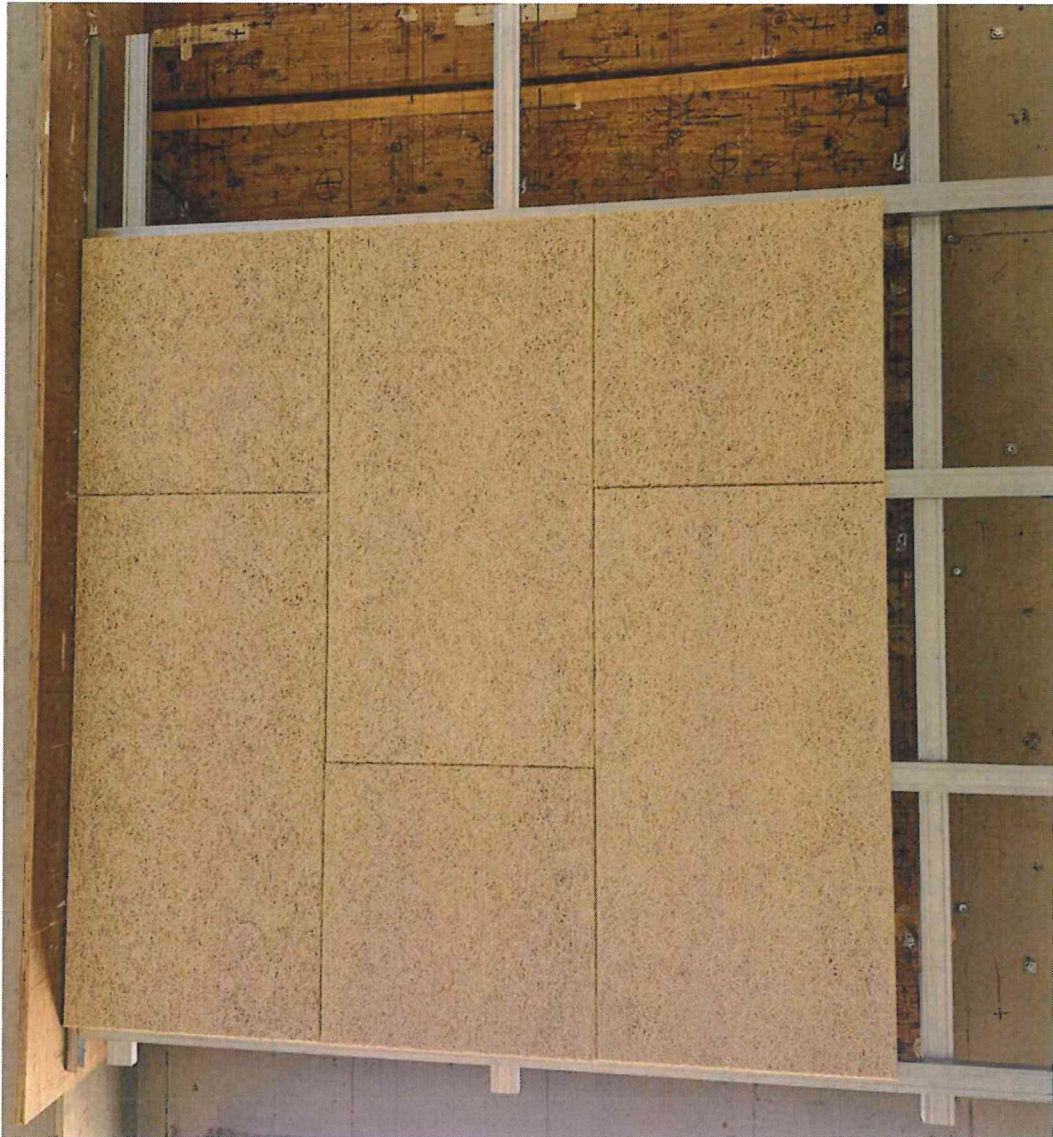
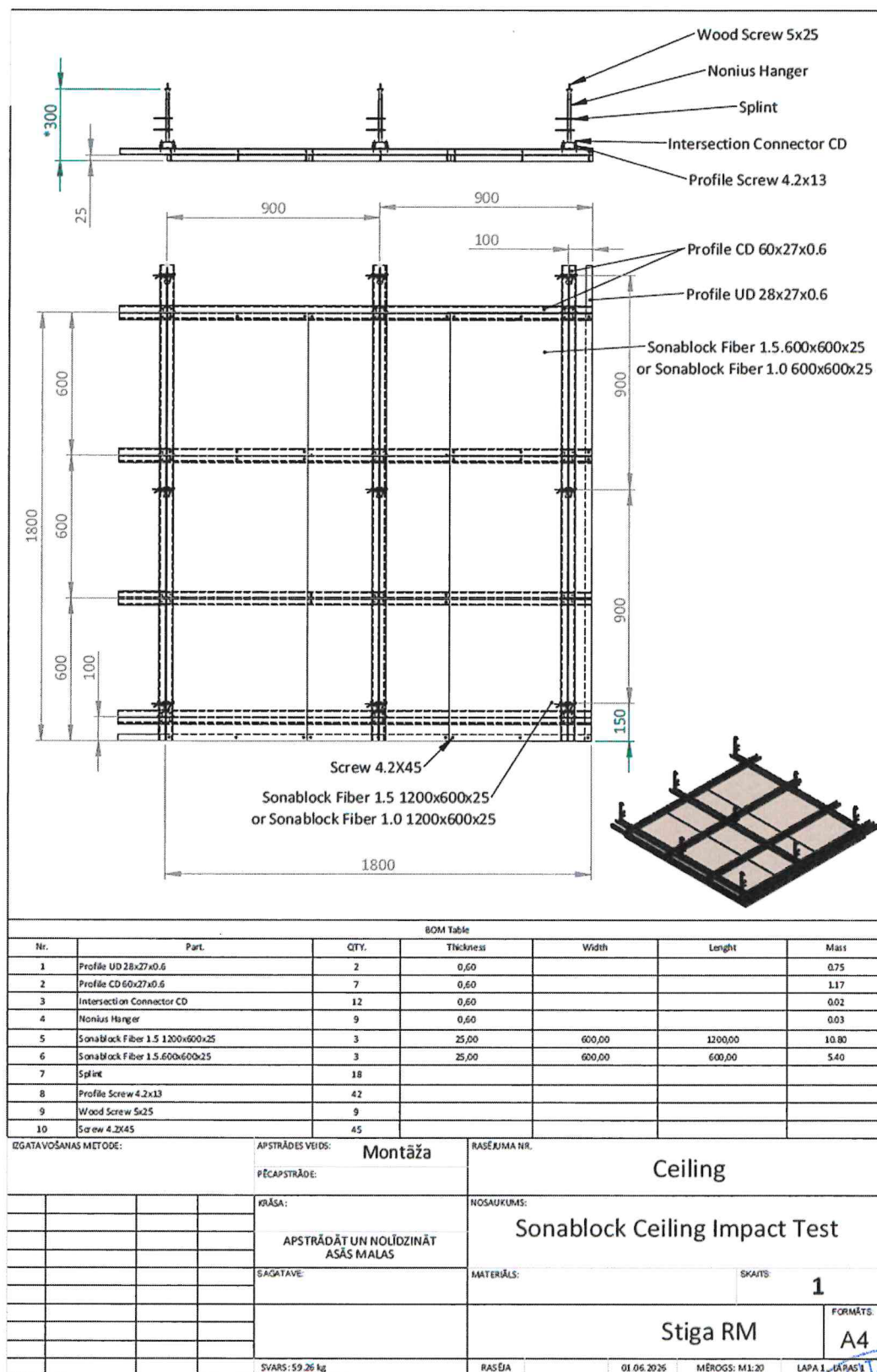


Figure 1
tested ceiling paneling
"Sonablock Fiber 1.5"





drawing 1
of the tested ceiling paneling
"Sonablock Fiber 1.5"



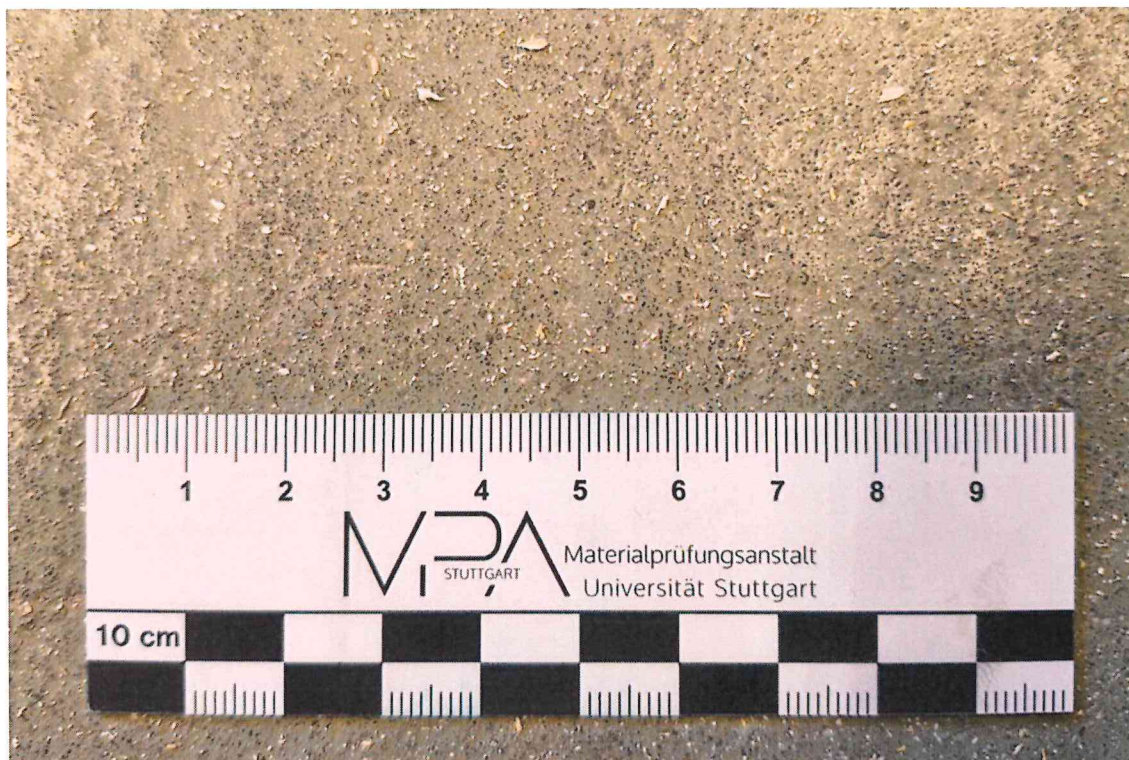


Figure 2
Abrasion of wood fibres
"Sonablock Fiber 1.5"

