

Decibel by Johanson AB
Anders Anderssons väg 7
285 35 Markaryd
Sweden

Ignitability according to EN ISO 11925-2

(1 appendix)

Introduction

RISE has by request of Decibel by Johanson AB performed a fire test according to EN ISO 11925-2. The purpose of the test is to form a basis for technical fire classification.

Product

According to the client: Frequency absorber “Bell”, contains a Ecophone glass wool core, MDF-board frame and a “Camira Era 170” fabric as facing. The product has a nominal thickness of 100 - 120 mm.

Manufacturer

Decibel by Johanson, Markaryd, Sweden.

Sampling

The sample was delivered by the client. It is not known to RISE, Fire and Safety if the product received is representative of the mean production characteristics.

The sample was received on May 29, 2023 at RISE, Fire and Safety.

Test results

The product was tested with surface exposure and edge exposure.

The test results are given in appendix 1.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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Confidentiality level

C3 - Sensitive

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Accred. No. 1002
Testing
ISO/IEC 17025

Note

The accreditation referred to is valid for EN ISO 11925-2.

RISE Research Institutes of Sweden AB
Fire and safety - Reaction to Fire Material Lab

Performed by

Examined by



Henrik Fredriksson

Anna Bergstrand

Appendix

1. Test results

Appendix 1

Test results – EN ISO 11925-2:2020

Product

According to the client: Frequency absorber “Bell”, contains a Ecophone glass wool core, MDF-board frame and a “Camira Era 170” fabric as facing. The product has a nominal thickness of 100 - 120 mm.

Test preparation

The samples were reduced to 60 mm by cutting away the unexposed surface in accordance with the standard.

Application

Edge exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6
Direction	↑	↑	↑	→	→	→
The sample ignited, s	4	4	4	4	4	4
The flames reach 150 mm, s	-*	-*	-*	-*	-*	-*
Flaming droplets/particles	Yes	Yes	Yes	Yes	Yes	Yes
Time when filter paper ignited, s	12	11	12	17	16	16

*Flaming ceased before the flame tip reached 150 mm.

Application

Surface exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6
Direction	↑	↑	↑	→	→	→
The sample ignited, s	5	5	4	8	6	9
The flames reach 150 mm, s	-*	-*	-*	-*	-*	-*
Flaming droplets/particles	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

*Flaming ceased before the flame tip reached 150 mm.

Appendix 1

Measured data

Thickness 100 mm approximately.

Area weight 15 kg/m² approximately.

Conditioning

According to EN 13238:2010.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

Date of test

June 14 and 15, 2023.

Verification

Transaction 09222115557495855039

Document

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