

Decibel AB
Anders Anderssons väg 7
285 35 MARKARYD

Ignitability according to EN ISO 11925-2

(2 appendices)

Introduction

RISE has by request of Decibel AB performed fire tests 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: Product called “Hertz”, sound absorbing board consisting of an Ecophon membrane with 1 mm Camira – Fiji fabric as facing.
Hertz were tested in two thickness 40 mm and 80 mm.

Manufacturer

Decibel AB, Markaryd, Sweden.

Sampling

The samples were delivered by the client. It is not known to RISE Safety – Fire Research if the products received are representative of the mean production characteristics.

The samples were received on March, 2018 at RISE Safety – Fire Research.

Test results

The products were tested with surface exposure and edge exposure. The side with the fabric facing was exposed for the burner flame.

The test results are given in appendix 1 – 2.

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.

RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857	Brinellgatan 4	+46 10 516 50 00
SE-501 15 BORÅS	SE-504 62 BORÅS	+46 33 13 55 02
Sweden		info@ri.se

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Note

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

RISE Research Institutes of Sweden AB Safety - Fire Research Materials

Performed by

Examined by

Henrik Fredriksson

Per Thureson

Appendices

1 – 2 Test results

Appendix 1

Test results – EN ISO 11925-2:2010/AC:2011

Product

According to the client: Product called “Hertz”, sound absorbing board consisting of an Ecophon membrane with 1 mm Camira – Fiji fabric as facing.
Hertz were tested in thickness 40 mm.

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	6	3	4	3	5
The flames reach 150 mm, s	-*	-*	-*	-*	-*	-*
Burning droplets	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

*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	8	4	6	NI	10
The flames reach 150 mm, s	-*	-*	-*	-*	-	-*
Burning droplets	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

NI = No ignition.

*Flaming ceased before the flame tip reached 150 mm.

Appendix 1

Measured data

Thickness 40 mm.

Area weight 3.2 kg/m².

Conditioning

According to EN 13238:2010.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

Date of test

April 27 2018.

Appendix 2

Test results – EN ISO 11925-2:2010/AC:2011

Product

According to the client: Product called “Hertz”, sound absorbing board consisting of an Ecophon membrane with 1 mm Camira – Fiji fabric as facing.
Hertz were tested in thickness 80 mm.

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	3	4	4	3	3
The flames reach 150 mm, s	-*	-*	-*	-*	-*	-*
Burning droplets	Yes	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

*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	6	5	5	NI	7	6
The flames reach 150 mm, s	-*	-*	-*	-	-*	-*
Burning droplets	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

NI = No ignition.

*Flaming ceased before the flame tip reached 150 mm.

Appendix 2

Measured data

Thickness 80 mm.

Area weight 6.0 kg/m².

Conditioning

According to EN 13238:2010.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

Date of test

March 26, 2018.