

Reaction to Fire Test according to EN ISO 11925-2 Ignitability when subjected to direct Impingement of Flame

Test report No.: H.E-052e/17

Applicant: Danish Wood Insulation ApS
DK-7960 Karby

Product Name: "Feelingwood"

Material Description: Thermal insulation product made of wood fibre (WF) according to EN 13171:2012+ A1:2015.
(as given by applicant) Nominal thickness: 45 mm.
Density: approx. 46,8 kg/m³.

Origin of Material: Samples were produced in the plant Karby and sent by applicant.
Receipt no. 2999 at 2nd March 2017.

Conditioning: Specimens with the dimensions 250 mm x 90 mm x nominal thickness were cut from the sample
(half of the specimens lengthwise the other half crosswise) and conditioned according to
EN 13238 clause 4.3.

Test Procedure: Determination of the reaction to fire in accordance to EN ISO 11925-2:2010 (D).
Test procedure according to clause 7.3.3.1 (surface exposure) and 7.3.3.2.2 (edge exposure), each
without substrate.

Flame application time (s): 15.

Date of Testing: 16th June 2017

Test Results:

Test Procedure according to Clause	7.3.3.1						7.3.3.2.2					
Specimen no.	1	2	3	4	5	6	7	8	9	10	11	12
Cutting Direction(lengthwise/crosswise)	L	C	L	C	L	C	L	C	L	C	L	C
Ignition of Specimen (s)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Time to exceed 150 mm (s)	no	no	no	no	no	no	no	no	no	no	no	no
Maximum Height of Flame (cm)	7	6	7	7	6	7	6	6	6	6	7	7
Ignition of Filter Paper (s)	no	no	no	no	no	no	no	no	no	no	no	no

Observations during Test: The mark at 150 mm was not exceeded.

Warning:

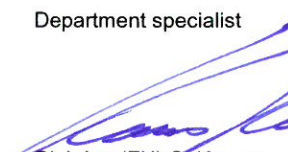
The test results are applicable only to the tested material with the mentioned nominal thickness and density.

The test results can not be transferred to other thickness- or density-ranges, coatings or substrates, as well as to joints with other construction products. In other cases the reaction to fire has to be tested separately.


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.

Gräfelfing, 16th June 2017


Department specialist



Dipl.-Ing.(FH) C. Karrer



Examiner



J.M. v. Hohenthal