Reaction to Fire Classification Report

Huntonit Brannit

Client:	Huntonit AS		
File no.:	PCA10548A		
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Ref:	MPA / JAG		
Notified Body No.	0845		

Danish Institute of Fire and Security Technology

Jernholmen 12, DK-2650 Hvidovre · Phone: +45 36 34 90 00 · E-mail: dbi@dbi-net.dk · www.dbi-net.dk

DANAK Test Reg.no. 12

Client information

Client: Huntonit AS

Address: Postboks 21
N-4701 Vennesla
Norge

1. Introduction

This classification report defines the classification assigned to the product "Huntonit Brannit" in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The product "Huntonit Brannit" is defined as a fire retardant painted fibreboard for internal walls and ceilings according to:

EN 13986:2004 + A1:2015: Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking.

2.2 Product description

The product "Huntonit Brannit" consists of a 11 mm thick tongue and groove panels of wood fibre with a nominal weight per unit area of 9 kg/m^2, with 252 g/m^2 Bantacryl Brannit 2.0, with 32 g/m^2 acrylic paint on top, and with a final top layer of 21 g/m^2 acrylic lacquer.

The product is mounted according to the client's mounting description with a vertical structured course of distributed horizontal and vertical joints.

Further product specifications are known to DBI - Danish Institute of Fire and Security Technology and are filed under the file number below.

The product was sampled by RISE Fire Research (Notified Body No. 1084) – see enclosure 1.

3. Reports and results in support of this classification

3.1 Reports

Name of laboratory	Name of client	Report ref. No	Test method Field of application rules	Date
DBI	Huntonit AS	PFA11327A	EN 13823 EN ISO 11925-2	2019-03-12 2019-03-21

3.2 Results

Test methods	Parameter	Number of tests[a]	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823	FIGRA $_{0.2\ MJ}$(W/s)	3	46	(-)
	FIGRA $_{0.4\ MJ}$ (W/s)	3	46	(-)
	THR $_{600s}$ (MJ)	3	1.7	(-)
	SMOGRA (m^2/s^2)	3	5	(-)
	TSP $_{600s}$ (m^2)	3	50	(-)
	LFS < edge	3	(-)	Y
	$FDP_{f\leq 10s}$	3	(-)	Y
	$FDP_{f>10s}$	3	(-)	Y
EN ISO 11925-2				
Surface flame attack, 30 s exposure	$F_s \leq 150$ mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
Edge flame attack, 30 s exposure	$F_s \leq 150$ mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
a Not for extended application Y "Compliant" (-) not applicable				

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11.6, 11.9 and 11.10 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product "Huntonit Brannit" in relation to its reaction to fire behavior is classified: B

The additional classification in relation to smoke production is: s1

The additional classification in relation to flaming droplets/particles is: d0

Reaction to fire classification:

B-s1,d0

4.3 Field of application

The classification is valid for the following end use conditions:

- any substrates of classes A1 and A2-s1,d0 of at least 11 mm thickness and with a density equal to or greater than 525 kg/m³
- with the product fixed mechanically to the substrate.
- with a ventilated or non-ventilated air gap
- without air gap
- with horizontal and vertical joints as tested according to the client's mounting description

The classification is also valid for the following product parameters:

- No allowances to product parameters described in section 2.2

5. Limitations

This classification document does not represent type approval or certification of the product.

Jeppe Ankjær
B.Eng. Architectural Engineering

Martin Pauner
M.Sc.Civ.Eng

Huntonit AS
Postboks 21
N-4701 Vennesla
Norway

Huntonit AS
Postboks 21
4701 Vennesla
Norge

Deres ref.:	Vår ref.:	Prosjekt / Sak:	Dato
Kjell Torland	Ola Rønning	102140	2019-03-11

Ekstern inspeksjon vedrørende produksjon av prøvestykker

RISE Fire Research AS har, etter forespørsel fra *Huntonit AS*, utført en tredjepartskontroll i henhold til prøvetakingsprosedyrer beskrevet i EN 13986 i forbindelse med produksjon av prøvestykker for planlagte branntekniske prøvinger ved *DBI - Dansk Brand- og sikringsteknisk Institut*.

Sted for inspeksjon: Huntonit AS, Venneslaveien 233, 4700 Vennesla
Dato for inspeksjon: 2019-02-19
Produktnavn: Huntonit Brannit

Vid inspeksjonen observertes følgende:
11 mm Huntonit trefiberplater 9 kg/m² ble påført 252 g/m² Bantacryl Brannit 2.0 fordelt på 5 strøk. Deretter ble det påført et toppstrøk med vannbasert akrylmaling på 32 g/m² og vannbasert akryllakk på 21 g/m².

Batchnr.:

- Bantacryl Brannit 2.0: 391 801 0219
- Vannbasert akrylmaling: 391 823 0219
- Vannbasert akryllakk: 391 824 0219

Med vennlig hilsen

Ola Rønning
Inspeksjonsleder

RISE Fire Research AS
Tillerbruvegen 202
Postboks 4767 Sluppen
NO-7465 Trondheim
Notified Body 1084

Vedlegg – Sikkerhetsdatablad Bantacryl Brannit 2.0