



Classification of Reaction to Fire Performance

Report on classification of the burning behaviour of the building product “Huliot Ultra Silent”

Report no.: 12112903A

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DD: 818

Applicant/manufacture: Huliot
Kibbutz Sde Nehemia
IL-12145 D.N. Galil Elyon

Date of application: 01.02.2013

Specimen of classification: Plastic piping system “Huliot Ultra Silent”

Short evaluation: In accordance with EN 13501-1:2009 the above mentioned building product is ranked into the European Class **D – s2, d2** because of its fire behaviour. The classification of reaction to fire and the therefore valid practical range of application is obvious by the representational classification report.

This report contains: **5 text pages**

The duplication of this classification report in extracts is only allowed with written authorisation from the IBS.



1.) Introduction:

This classification report defines the classification which is assigned to the building product Plastic piping system "Huliot Ultra Silent" in agreement with the in EN 13501-1:2007 stated method.

2.) Details of the classified building product:

2.1) Type and application range:

The building product Plastic piping system "Huliot Ultra Silent" is defined as a „type of classified product". This classification applies to the field of application mentioned under 5.).

2.2) Description:

The building product Plastic piping system "Huliot Ultra Silent" completely described in the test reports mentioned under 3.1) which are based on the classification.

3.) Test reports and results in support of classification:

3.1) Test reports:

Name of the laboratory	Holder of test report	Number of the test reports	Test method
IBS Linz	Huliot	12112903-1	ÖNORM EN 13823:2011
IBS Linz	Huliot	12112903-2	ÖNORM EN ISO 11925-2:2011



3.2) Test results:

Test method	Parameter	Number of tests	Test result	
			Constant parameter average (m)	Discrete parameter
ÖNORM EN 13823	FIGRA _{0,2} (W/s)	3 (test series)	645,8	(-)
	FIGRA _{0,4} (W/s)		645,8	(-)
	THR _{600s} (MJ)		29,3	(-)
	LFS < edge		(-)	J
	SMOGRA (m ² /s ²)		16,1	(-)
	TSP _{600s} (m ²)		141,6	(-)
ÖNORM EN ISO 11925-2 Flame impingement of angle 30 s flame impingement	Fs ≤ 150 mm		(-)	J
	Ignition of filter paper		(-)	N

(-) not applicable

4.) Classification and direct field of application:

4.1) Reference and direct field of application:

This classification has been carried out in accordance to the sections 6, 7, 8 and 10.4 of the European standard EN 13501-1:2009.



4.2) Classification:

The building product Plastic piping system "Huliot Ultra Silent" in relation to its reaction to fire behaviour is classified as follows:

D

The additional classification in relation to smoke emission is:

S2

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

D2

The format of the classification of the burning behaviour for building products without flooring is:

Fire behaviour		Smoke emission			No flaming droplets/particles	
D	-	s	2	,	d	2

i.e.: D – s2, d2

5.) Field of application:

This classification is valid for the following product parameters and end use-application:

As tested under the basic conditions of the product standard



6.) Restrictions:

6.1) *Period of validity:*

In case the holder of the classification report carries out improper technical changes and the measurements are higher or lower as mentioned in the classification report the validity ends before the mentioned period of validity, unless the deviations are in the range of tolerance (see test reports).

7.) Warning:

This document is no type approval or product certification.

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