

Classification Report Reaction to fire of building elements

Classification report C-261 36134 R* e

Translation of Classification report C-261 36134 R*
dated 25. August 2008.8023083



Resysta International GmbH
Steinbuchstraße 3,

Client 83539 Pfaffing-Forsting, Germany

ift Rosenheim GmbH
Theodor-Gietl-Straße 7-9
D-83026 Rosenheim

Notified body

Number of notified body **0757**

Issue number **2**

Object **Plastic Boards**

Designation **"Resysta"**

Basics

DIN EN 13501-1:2007
Fire classification of construction products and building elements
Part 1: Classification using test data from reaction to fire tests

*This test report replaces test report C-261 36134 from 25.08.08.

Instructions for use

This classification report on fire behaviour defines the classification assigned to the material according to product name in compliance with the procedure according to DIN EN 13501-1.
This document is no type approval or product certification.

Validity

The data and results named only refer to the tested and described test specimen.

Publication notes

The ift guidance sheet "Conditions and Instructions on the Use of ift Test Documentation" applies.
This classification report must not be used or reproduced in excerpts.

Content

This verification comprises 4 pages in total

- 1 Introduction
- 2 Details on the classified product
- 3 Test reports and results as a basis for this classification
- 4 Classification and area of application
- 5 Limitations



Classification of reaction to fire
DIN EN 13501-1:2007

Class E

ift Rosenheim
13. July 2011

Volker Müller, Dipl.-Ing.
Head of Testing Department
Fire safety



Matthias Rau, Dipl.-Ing. (FH)
Operating Product Officer
Building Components



1 Introduction

This classification report defines the classification assigned to the building product "Resysta" according to product name in compliance with the procedures according to DIN EN 13501-1:2007.

2 Details on the classified product

2.1 General

The building product "Resysta" is not subject to any product standard¹.

2.2 Description

The building product "Resysta" is either described in the following or described in the report referred to as proof for classification in 3.1.

Product description:

see test report in item 3.1.

3 Test reports and results as a basis for this classification

The following test reports, test results and assessments are submitted to support this classification.

3.1 Test Reports

Details on the test reports are listed here if required.

Table 1

Building product: "Resysta"			
Test lab name	Client	Test certificate no.	Test procedure
ift Rosenheim Notified body: 0757	Resysta International GmbH 83539 Pfaffing-Forsting	261 36134 R Date: 25. August 2008	DIN EN ISO 11925-2

¹ Client's information

3.2 Test results

Table 2 Test results: Plastic Boards

Building product: "Resysta"				
Test procedure and test number	Parameters	Number of tests ^a	Results	
			Consistent parameters - Average (m)	Discrete parameters
DIN EN ISO 11925-2 15 s surface exposure *	$F_s \leq 150$ mm	12	(-)	yes
	Burning dripping / dropping	12	(-)	no
15 s edge exposure *	$F_s \leq 150$ mm	12	(-)	yes
	Burning dripping / dropping	12	(-)	no
Comments: ^a) does not apply for the expanded application area ^{*)} not applicable depending on final application (-)				

4 Classification and field of application

4.1 Classification reference

This classification was performed according to DIN EN 13501-1:2007.

4.2 Classification

The building product "Resysta" is classified as follows in respect of its fire behaviour.

E

The additional classification in respect of smoke production is:

--

The additional classification in respect of burning dripping / dropping off:

--

The format of the reaction to fire classification for the building product is:

Table 3 Classification of the reaction to fire according to DIN EN 13501-1:2007

<i>Fire behaviour</i>		<i>Smoke production</i>			<i>Flaming droplets</i>	
E	-	s	--		d	--
Classification of reaction to fire: Class E						

4.3 Area of application

This classification is valid for the following product parameters:

- For plastic plate material with the product designation "Resysta"
- For the named plastic plate material at a thickness of 8 mm to 27 mm
- For the named plastic plate material at a density of approx. 1,240 kg/m²
- For the named plastic plate material in the colour brown
- The plastic plate material must correspond to the deposited composition of the material according to the test report ift Rosenheim 261 36134 R.

This classification is valid for the following final applications:

- The plastic plate material "Resysta" may be used painted with transparent varnish or unpainted. The acrylate surface cover must correspond to the indication according to test report ift Rosenheim 261 36134 R.

5 Limitations

5.1 General

The composition shall be met the composition deposited at **ift** Rosenheim.

In composition with other building materials, subsurface or coatings other then mentioned in section 4.3, the reaction to fire may be influenced so bad that the classification in section 4.2 isn't longer valid. The reaction to fire in those cases has to be proofed separately.

5.2 Warning notes

This document is no type approval or product certification. It does not replace any possibly required evidence of specified use as set out by the relevant construction laws/building supervisory authorities according to the State Construction Regulations (Landesbauordnung).