

Classification Report Reaction to Fire of Construction Products



Classification Report C-261 37764 e

Translation of Classification Report C-261 37764 dated
13 January 2009

Client **Rehau AG + Co.**
Zehstrasse 5
95111 Rehau, Germany

Basis

DIN EN 13501-1:2007

Fire classification of construction products and building elements

Part 1: Classification using test data from reaction to fire tests

Notified body **ift Rosenheim GmbH**
Theodor-Gietl-Straße 7-9
D-83026 Rosenheim

Notified body
No. **0757**

Issue No. **1**

Instructions for use

This classification report for reaction to fire defines the classification assigned to the building material according to its product designation in conformity with the methods set out by EN 13501-1. This classification document does not represent type approval or certification of the product.

Object **Terrace boards**

Designation **"REHAU Terrassendiele Relazzo"**
(Terrace system Relazzo)

Validity

The data and results given relate solely to the tested and described specimen.

Notes on publication

The **ift** Guidance Sheet "Conditions and Guidance for the Use of **ift** Test Documents" applies.

The cover sheet can be used as abstract.

Classification



Fire Classification
DIN EN 13501-1:2007

Class E_{fl}

Contents

The report comprises a total of 5 pages.

- 1 Introduction
- 2 Details of classified construction product
- 3 Test reports, test results and evaluations in support of this classification
- 4 Classification and field of direct application
- 5 Limitations

ift Rosenheim
21 March 2009

Volker Müller

Volker Müller, Dipl.-Ing. (FH)
Head of Testing Department
ift Centre for Fire Testing



Hermann Weimeir

Hermann Weimeir, Dipl.-Ing. (FH)
Test Engineer
ift Centre for Fire Testing



ift Rosenheim GmbH

Geschäftsführer:
Dipl.-Ing. (FH) Ulrich Sieberath
Dr. Jochen Peichl

Theodor-Gietl-Str. 7 - 9
D-83026 Rosenheim
Tel.: +49 (0)8031/261-0
Fax: +49 (0)8031/261-290
www.ift-rosenheim.de

Sitz: 83026 Rosenheim
AG Traunstein, HRB 14763
Sparkasse Rosenheim
Kto. 3822
BLZ 711 500 00

Notified Body Nr.: 0757
Anerkannte PÜZ-Stelle: BAY 18

DAP-PL-0808 99
DAP-ZE-2288 00
TGA-ZM-16-93-00
TGA-ZM-16-93-60

1 Introduction

This classification report on reaction to fire defines the classification assigned to the product "REHAU Terrassendiele Relazzo" (terrace system Relazzo) in conformity with the method set out by DIN EN 13501-1:2007.

2 Details of classified product

2.1 General

The product "REHAU Terrassendiele Relazzo" (terrace system Relazzo) is not covered by a product standard.

2.2 Product description

The product "REHAU Terrassendiele Relazzo" (terrace system Relazzo) is described below or is described in detail in the test reports provided in support of the classification, listed in section 3.1.

Product description:

Terrace boards of 140 mm width and 30 mm thickness. The terrace boards have 2 surfaces that can be used. The surfaces of the terrace boards are "subtle grooved" on one face and "ridged" on the other.

Both surfaces feature an additional brush finish.

The narrow edges of the terrace boards feature a passive wedge-shaped, overall slightly rounded groove of approx. 11 mm thickness and approx. 17 mm average width.

The entire profile is provided with hollow brackets of different shapes.

3 Test reports, test results and evaluations in support of this classification

The following test reports, test results and evaluations have been provided in support of this classification.

3.1 List of test reports

As necessary, details of test reports are given here.

Table 1

Product: "REHAU Terrassendiele Relazzo" (terrace system Relazzo)			
Name of testing laboratory	Client	Test report No.	Test method/s
ift Rosenheim Notified Body: 0757	Rehau AG + Co. 95111 Rehau	261 37764 Date: 13 January 2009	DIN EN ISO 11925-2

3.2 Test results

Table 2 Test results: terrace boards, colour options: light brown, dark brown, grey

Product: "REHAU Terrassendiele Relazzo" (terrace system Relazzo)		Test report No.: 261 37764			
Test method/s	DIN EN ISO 11925-2:2002	Parameter	No. of tests	Continuous parameter	Discrete parameter
Surface exposure ^{*)}	(15 s exposure)	Fs ≤150 mm	12	(-)	Yes
Flaming droplets/ particles		ignition of filter paper	12	(-)	No
Edge exposure ^{*)}	(15 s exposure)	Fs ≤150 mm	12	(-)	Yes
Flaming droplets/ particles		ignition of filter paper	12	(-)	No
^{*)} depending on end use application		(m) mean		(-) not applicable	

4 Classification and field of direct application

4.1 Basis of classification

This classification is based on DIN EN 13501-1:2007.

4.2 Classification

The product "REHAU Terrassendiele Relazzo" (terrace system Relazzo) in relation to their reaction to fire is classified as follows:

Table 3 Reaction to fire classification as per DIN EN 13501-1:2007

Fire behaviour		Smoke production
E_{fl}	-	- -
Reaction to fire classification: Class E_{fl}		

Without additional classification in relation to smoke production.

Without additional classification in relation to flaming droplets / particles.

4.3 Field of application

This classification is valid for the following product parameters:

- "REHAU Terrassendiele Relazzo" composed of material RAUWood - density: 1.23 g/cm³
- "REHAU Terrassendiele Relazzo" of material thickness of approx. 30 mm and with a subtle grooved surface and a ridged surface

This classification is valid for the following end use applications:

- Terrace boards - product designation: "REHAU Terrassendiele Relazzo"
- For indoor and outdoor use as terrace boards.
- For terrace boards of the colour options light brown (type Sabbia), dark brown (type Terra) and grey (type Ciottolo)

5 Limitations

5.1 General

Composition of the products must be in conformity with the data retained at **ift** Rosenheim.

5.2 Warning

This classification document does not represent type approval or certification of the product. It is not a substitute for evidence that may have to be provided in the framework of national technical certificates / approvals for specified use subject to the Building Codes of the German Laender.