

CLASSIFICATION OF THE FIRE RESISTANCE ACCORDING TO EN 13501-2: 2007

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Notified Body No: 1234

Name of the product: Tangit FP 430

Classification report No.: 2006-Efectis-R0028 [E]

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This report is issued by the TNO company Efectis Nederland BV (previously **TNO** Centre for Fire Research). TNO decided, in response to international developments and requests by customers, to collaborate with two European Egolf partners, both highly experienced in fire safety: the Norwegian **Sintef/NBL** and the French **CTICM**. Thus, through scaling up, a more comprehensive service of high quality and a wider range of facilities can be offered. In order to achieve this, the fire safety related activities of the partners involved have been privatised in this collaboration. With respect to TNO this has led to the privatisation on the 1st of July of the activities of the TNO Centre for Fire Research via the establishment of the company Efectis Nederland BV.

This classification report contains 4 pages and can only be used completely.

1 Introduction

This classification report gives the classification of the element, a vertical linear joint in a wall filled with sealant Tangit FP 430 with a polyethylene foam backing material, according the procedures in EN 13501-2: 2007.

2 Details of the classified product

2.1 General

The element, a vertical joint in a wall filled with sealant Tangit FP 430 with a polyethylene foam backing material is defined as a sealing material for closing linear joint seals.

2.2 Product description

The element, a vertical linear joint in a wall filled with sealant Tangit FP 430 with a polyethylene foam backing material is briefly described hereunder and fully described in the test report provided in support of classification listed in paragraph 3.1.

2.2.1 Short product description

The joints, installed on both sides of the wall, existed of:

- Tangit FP 430.
- Backing material of polyethylene foam with the name SB-Flex

The joint was installed with the following width: 25 mm. The thickness of the joint was equal to the width.

3 Test reports/extended application reports & test results in support of classification

3.1 Test report

<i>Name of the laboratory</i>	<i>Name of the assignor</i>	<i>Test reports application report Nos.</i>	<i>Test method application rules & date</i>
Efectis Nederland BV P.O. box 1090 2280 CB Rijswijk The Netherlands	Henkel KGsA	Efectis report 2007-Efectis-R0025 [E]	EN 1366-4: 2006

3.2 Test results

Test method & Test number	Criterion	Results
EN 1366-4: 2006	Integrity [E]	246
	Thermal isolation [I]	197

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 7.5.9 of EN 13501-2:2007.

4.2 Classification

The element, a vertical joint in a wall filled with sealant Tangit FP 430 with a polyethylene backing material, is classified according to the following combinations of performance parameters and classes as appropriate.

Fire resistance classification:

E 240

EI 180

4.2.1 Field of application

The results of the fire test are direct applicable on similar constructions on which one or more changes mentioned hereunder are done and that the construction still complies to applicable design rules for stability and stiffness

4.2.2 Vertically tested

A test result from a fire test with a vertically placed specimen in a vertical supporting construction only covers vertical joints in walls. In this case a vertical joint in a wall was tested.

4.2.3 Supporting construction

Results from a test in an aerated concrete are valid for concrete and masonry with an equal or higher thickness and density than the aerated concrete wall. In this case the supporting construction was aerated concrete with a thickness of 150 mm and a density of 600 kg/m³.

4.2.4 Joint orientation

A test result of a joint in a certain position in the supporting construction only covers this specific situation.

In this case the joint was flush with the surface of the wall. This was on both sides of the wall.

4.2.5 Joint width

The width of the joint is restricted to 25 mm.

4.3 Limitations

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

P.G.R. Scholten, B.Sc.
signed

Dr. Ir. G. van den Berg
approved

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