

### CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

Classification no.	2013-Efectis-R0165c/LNE/BKJX
Sponsor	COT bv Postbus 2113 NL-2002 CC Haarlem The Netherlands
Product name	<b>ZINGA 2 x 90 µm, coating on steel</b>
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Notified body no.	1234
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### 1. INTRODUCTION

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This classification report defines the classification assigned to **ZINGA 2 x 90 µm, coating on steel** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

### 2. DETAILS OF CLASSIFIED PRODUCT

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#### 2.1. GENERAL

The product, **ZINGA 2 x 90 µm, coating on steel**, is defined as a coating on steel.

#### 2.2. PRODUCT DESCRIPTION

Product description:  
Film Galvanising system

#### 2.3. IMPORTER/MANUFACTURER

COT bv  
Postbus 2113  
NL-2002 CC Haarlem  
The Netherlands

ZINGAmetall bvba

### 3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

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#### 3.1. REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands	COT bv The Netherlands	2013-Efectis-R0165a 2013-Efectis-R0165b	EN ISO 11925-2:2010 EN 13823:2010

### 3.2. TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
<b>EN-ISO 11925-2</b>				
surface flame impingement	Fs ≤150 mm	6	29	-
	Ignition of filter paper		-	Compliant
Edge flame impingement	Fs ≤150 mm	6	14	-
	Ignition of filter paper		-	Compliant
	Ignition of filter paper		-	Compliant
<b>EN 13823</b>				
	FIGRA0.2MJ [W/s]	3	0	-
	FIGRA0.4MJ [W/s]		0	-
	THR600s [MJ]		0.2	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.0	-
	TSP600s [m <sup>2</sup> ]		21	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

### 3.3. CLASSIFICATION CRITERIA

Classification criteria of the Single Burning Item (SBI) test			
Class	Fire	Class	Smoke
A2	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 7,5 MJ	s1	SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> ≤ 50 m <sup>2</sup>
B	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 7,5 MJ	s2	SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> ≤ 200 m <sup>2</sup>
C	FIGRA <sub>0.4 MJ</sub> ≤ 250 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 15 MJ	Class	Droplets
		d0	No flaming droplets/particles
		d1	Flaming droplets/particles < 10 s
D	FIGRA ≤ 750 W/s	d2	Not d0 or d1

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+ A1:2009.

##### 4.2. CLASSIFICATION

The product, **ZINGA 2 x 90 µm, coating on steel**, in relation to its reaction to fire behaviour 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

This classification is valid for the following product parameters:

Thickness	2 x 90 µm
Surface density	Coverage 0.97 kg/m <sup>2</sup>
Other properties	Zinc content in dry layer >96%, Unlimited pot and shelf life, Provides cathodic protection

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
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##### 4.4. DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

There are no limitations in time on the validity of this report.

## 5. LIMITATIONS

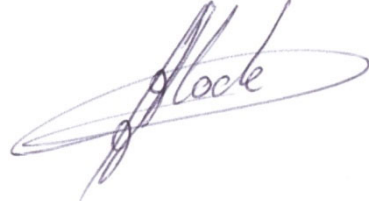
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This classification document does not represent type approval or certification of the product.

Yours faithfully,



E. van der Laan M.Sc.  
Project leader reaction to fire



A.J. Lock  
Project leader reaction to fire