

Title:

CLASSIFICATION OF REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2018.

Notified Body No:

0833

Product Name:

"Siloksan Anti-carb"

Report No:

WF 417043

Issue No:

1

Prepared for:

Teknos (UK) Ltd
7 Longlands Road
Bicester
Oxford
OX26 5AH

Date:

29th July 2019

1. Introduction

This classification report defines the classification assigned to “Siloksan Anti-carb”, a matt water-borne acrylate based paint, in line with the procedures given in EN 13501-1: 2018.

2. Details of classified product

2.1 General

The product, “Siloksan Anti-carb”, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Siloksan Anti-carb”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		SILOKSAN ANTI-CARB is a matt, water-borne and acrylate-based paint applied to a calcium silicate substrate
Product reference		“Siloksan Anti-carb”
Name of manufacturer		Teknos (UK) Ltd
Overall thickness		12.15mm (determined by Warringtonfire)
Overall weight per unit area		12.30kg/m ² (determined by Warringtonfire)
Coating	Generic type	Water-borne and acrylate-based protective paint
	Product reference	“Siloksan Anti Carb”
	Name of manufacturer	Teknos (UK) Ltd
	Colour reference	“White”
	Number of coats	Two
	Application rate per coat	75g/m ²
	Specific gravity	1.3 kg/l
	Application method	Roller
	Curing process per coat	Airdrying overnight
	Flame retardant details	See Note 1 below
Substrate	Generic type	Calcium Silicate based board
	Product reference	“Promat – Brandschultzbauplatten; Promatect-H”
	Name of manufacturer	Promat
	Thickness	12mm
	Density	870kg/m ³
	Colour reference	“White”
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process		See Note 2 below

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Note 2: The sponsor was unwilling to provide this information.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Warringtonfire	Teknos (UK) Ltd	WF 413462	EN ISO 11925-2
Warringtonfire	Teknos (UK) Ltd	WF 413460	EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	≤ 10mm	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	4.91	Compliant
	FIGRA _{0.4MJ}		4.91	Compliant
	THR _{600s}		1.26	Compliant
	LFS		Nil	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		20.21	Compliant
	Flaming of Fallen Particle Exceeding 10s?		None	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1: 2018.

4.2 Classification

The product, "Siloksan Anti-carb", a matt water-borne acrylate based paint, 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

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. B – s1 , d0

Reaction to fire classification: B – s1 , d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 870kg/m³, having a minimum thickness of 12mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).

This classification is also valid for the following product parameters:

Coating thickness	No variation allowed
Coating application rate	No variation allowed
Coating composition	No variation allowed
Product construction	No variation allowed

5. Limitations

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

SIGNED

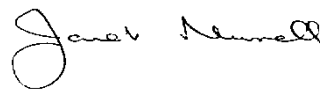


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Matthew Dale

Senior Certification Engineer
Technical Department

APPROVED



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Janet Murrell

Technical Manager
Technical Department
on behalf of **warringtonfire**

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