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SWEDAC ACKREDITERING 1002 ISO/IEC 17025

Caparol Sverige AB
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Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product "Caparol Brandsystem" in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product "Caparol Brandsystem" is defined as a paint system for indoor use.

2.2 Product description

The product, "Caparol Brandsystem", is fully described below.

According to information provided by the client, the products have the following composition:

Paint systems consisting of paints applied on some different type of glass fabrics, see table 1. The paint systems are built up on gypsum plasterboard with Euroclass A2-s1,d0, a nominal density of 700 kg/m^3 and a nominal thickness of 12,5 mm.

Table 1:

Topcoat / nominal amount (g/m^2)	Primer / nominal amount (g/m^2)	Glue / nominal amount (g/m^2)	Glass fabric / nominal amount (g/m^2)
Supertäck 2 / 150	Supertäck Grund / 400	Caparol vävlim / 180	Capaver 8530 / 40
Supertäck 2 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6164 / 100
Supertäck 2 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6372 / 160
Supertäck 2 / 150	Supertäck Grund / 140	-	-
Supertäck 5 / 150	Supertäck Grund / 400	Caparol vävlim / 180	Capaver 8530 / 40
Supertäck 5 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6164 / 100
Supertäck 5 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6372 / 160
Supertäck 5 / 150	Supertäck Grund / 140	-	-
Supertäck 7 / 150	Supertäck Grund / 400	Caparol vävlim / 180	Capaver 8530 / 40
Supertäck 7 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6164 / 100
Supertäck 7 / 150	Supertäck Grund / 190	Caparol vävlim / 180	Capaver 6372 / 160
Supertäck 7 / 150	Supertäck Grund / 140	-	-

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Caparol Sverige AB	3P07718	EN 13823 EN ISO 11925-2

3.2 Test results

The test results listed below show the worst case as found in the test programme performed and reported according to the table above. The tests have been carried out on products covering the area weight range and thickness range of the product group and the amount of organic content range.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2 Edge/Surface flame attack**		12		
30 s exposure	$Fs \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		106	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		59	Compliant
	$LFS <$ edge		(-)	Compliant
	THR_{600s}, (MJ)		1.3	Compliant
	$SMOGRA$, (m^2/s^2)		0	Compliant
	TSP_{600s}, (m^2)		32	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

** : as required to the end use application of the product
(-) : not applicable

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product called "Caparol Brandsystem" 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 particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

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

Reaction to fire classification: *B-s1,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Nominal amount of topcoat: see table 1 in this report.

Nominal amount of primer: see table 1 in this report.

Type of glass fabric:

- With or without standard glass textile with a classification of B-s1,d0

  and a nominal area weight range of 40 – 160 g/m^2.

This classification is valid for the following end use conditions:

Substrates

- Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2-s1,d0 at least 12 mm thick, having a density ≥ 525 kg/m^3.

Fixings

- Water based PVAc adhesive, amount (see table 1 in this report).

The sample was delivered by the client. SP Fire Technology was not involved in the sampling procedure.

5 Limitations

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

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Performed by

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