Efectis Nederland BV
P.O. Box 554 | 2665 ZN Bleiswijk
Brandpuntlaan Zuid 16 | 2665 NZ Bleiswijk
The Netherlands
+31 88 3473 723
nederland@efectis.com

CLASSIFICATION

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

Classification no.	2022-Efectis-R001328[Rev.1]
Sponsor	Allshield Coatings BV Hoogeveenenweg 29 2913 LV Nieuwerkerk aan den IJssel THE NETHERLANDS
Product name	**Allshield Blue**
Prepared by	Efectis Nederland BV
Author(s)	A. González Santamaría M.Sc. A.H.L.M. Zwinkels B.Sc.
Project number	ENL-22-000812
Date of issue	February 2023
Number of pages	5

All rights reserved.
No part of this publication may be reproduced and/or published without the previous written consent of Efectis Nederland BV.
Submitting the report for inspection to parties who have a direct interest is permitted.

In case this report was drafted on instructions, the rights and obligations of contracting parties are subject to either the Standard Conditions of Efectis Nederland BV or the relevant agreement concluded between the contracting parties.

© 2023 Efectis Nederland BV

1. INTRODUCTION

This classification report defines the classification assigned to Allshield Blue in accordance with the procedures given in EN 13501-1:2018.
This is a revised version of this report. This version supersedes all previous versions of this reports that are hereby withdrawn. Details on the changes can be found in the tables below.

Table 1.1: Revision information

Issue	Date of issue	Report no.
First issue	January of 2023	2022-Efectis-R001328

1.1 FIRST REVISION DETAILED INFORMATION

Table 1.2: First revision information

Chapter of revision	Front page and header
Reason of revision	Change in sponsor
Consequences of revision	New sponsor

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, Allshield Blue, is defined as a wall panel/wall covering.

2.2 MANUFACTURER/IMPORTER

Allshield Coatings BV
Hoogeveenenweg 29
2913 LV Nieuwerkerk aan den IJssel
THE NETHERLANDS

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Water;
- Mono potassium phosphate;
- M10 AS A Filler, Quartz;
- AP 200;
- MGO, Magnesium Oxide;
- Albit.

The product has a thickness range of 2 to 6 mm, a density of approx. 1750 kg/m^3 and a mass per unit area range of approx. 3.5 to 10.5 kg/m^2. Colour white.
The product is homogeneous.

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

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 1716:2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value).
EN ISO 1182:2010	Reaction to fire tests for products - Non-combustibility test. The classification is temporarily stated without RvA accreditation.
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests

3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands Efectis France France	Allshield Coatings BV THE NETHERLANDS	2022-Efectis-R001323[Rev.1] 2022-Efectis-R001324[Rev.1] EFR-22-003145-1-NC	EN ISO 1716:2018 EN ISO 1182:2010

3.3 TEST RESULTS

Test method and parameter				
EN ISO 1716		**No. tests**	**Results**	
			Continuous parameter – mean (m)	**Compliance with parameters**
The product is homogeneous				
Product as a whole	[MJ/kg]		0.0	Compliant
EN ISO 1182				
Temperature rise (ΔT)	[°C]		1.1	Compliant
Mass loss (Δm)	[%]		14.0	Compliant
Sustained flaming	[s]		0	Compliant

3.4 CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Class	**Test method(s)**	**Classification criteria**	**Additional classification**
A1	EN ISO 1182 [a] and	$\Delta T \leq 30$ °C; and $\Delta m \leq 50$ %; and $t_f \leq 0$ s	-
	EN ISO 1716	PCS ≤ 2.0 MJ/kg [a] and PCS ≤ 2.0 MJ/kg [b c] and PCS ≤ 1.4 MJ/m² [d] and PCS ≤ 2.0 MJ/kg [e]	-

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[c] Alternatively, any external non-substantial component having a PCS ≤ 2.0 MJ/m² , provided that the product satisfies the following criteria of EN 13823: FIGRA ≤ 20 W/s, and LFS < edge of specimen, and THR_{600s} ≤ 4.0 MJ, and s1, and d0.
[d] For any internal non-substantial component of non-homogeneous products.
[e] For the product as a whole.

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2 CLASSIFICATION

The product, **Allshield Blue**, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	2 to 6 mm
Surface density	3.5 to 10.5 kg/m²
Colour	White

4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

5. LIMITATIONS

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

A. González Santamaría M.Sc.
Project leader Reaction to Fire

A.H.L.M. Zwinkels B.Sc.
Project leader Reaction to Fire