

Classification report

Nr. 220103-K1-1

issued 30.03.2022

Applicant: Berger-Seidle GmbH
Maybachstraße 2
67269 Grünstadt

Order: Classification of the burning behaviour according to
DIN EN 13501-1 (2019-05)

Date of order: 10.03.2022

Notification number of the test laboratory

NB 1378

Designation of the classified building product

Product name: **AquaSeal CeramicStar**

This classification report lays down the classification of the building product above according to the procedures of DIN EN 13501-1.



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This classification report is a translation of the German version 220103-K1-1 (issued 30.03.2022). In case of doubt only the German version is valid.

This classification report contains 5 pages.

1. Description of the material

1.1 Details of the customer:

Product name: **AquaSeal CeramicStar**

Face to be tested: coated surface

Product description:

Trade Name: AquaSeal CeramicStar

Sample material: Coating

Material type: Polyurethane base

Method of manufacture: coated

Color: transparent

Manufacturer: Berger-Seidle GmbH

For composite (e.B. multi-layered) materials:

Type of surface: Parquet floors

Surface material: wood

Basis weight of the surface: see laboratory report

Thickness of surface: 3 layers 110 - 120µm layer thickness dry, plus 19mm plate

Material of the carrier layer: chipboard

Basis weight of the carrier layer: Laboratory report available to the test laboratory

Intended area of application

The product: Parquet floors in all possible areas of application for wooden floors.

1.2 At the specimen preparation from the Warringtonfire determined values:

Material: Wood sealing on chipboard

Sample no..	Colour:	Total thickness [mm]	Tortal surface weight: [kg/m ²]
1	colourless	Aaprox. 18	11,71
2			
3			

Test substrate: Particleboard according to EN 312, thickness 20±2 mm, bulk density 680±50 kg/m³, Class Cfl-s1

Test arrangement: Sealing surface to the burner or radiator

1.3 Production and pretreatment of the samples for the tests according to DIN EN ISO 9239-1

The samples were provided and delivered for the tests by the manufacturer.
The test was carried out over the entire area without joint formation.

The samples were conditioned for more than 48 h to constant mass according to DIN EN 13238 prior to the testing.

1.4 Production and pretreatment of the samples for the tests according to DIN EN 11925-2

The samples were provided and delivered for the tests by the manufacturer.

The samples were conditioned for more than 48 h to constant mass according to DIN EN 13238 prior to the testing.

2. Test reports and test results

2.1 Test reports

Name of test laboratory	Customer	Report to form the basis	Test procedure
Warringtonfire Frankfurt GmbH	Berger-Seidle GmbH	220103	DIN EN ISO 9239-1 (Radiant Panel) EN ISO 11925-2 (15s ignition time surface ignition)

2.2 Test results:

Test procedures	Parameter / classes	Test results
		average
DIN EN ISO 9239-1	Critical heat flux $\geq 8,0$ KW/m ² for class B _{fl} Critical heat flux $\geq 4,5$ KW/m ² for class C _{fl} Critical heat flux $\geq 3,0$ KW/m ² for class D _{fl}	4,6
	smoke ≤ 750 % min for s1 s2 = not s1	419,0
DIN EN ISO 11925-2 15s	FS ≤ 150 mm within class 20 s for class B _{fl} , C _{fl} , D _{fl} and E _{fl}	fulfilled

3 Classification and range of application

3.1 Reference

The classification was carried out according to the chapter 11 of DIN EN 13501-1.

3.2 Classification

The tested material is ranked into the class **C_{fi}** related to its behavior in case of fire. Concerning the smoke development, the tested material is ranked into the class **s1**. The classification of the tested material reads therefore:

C_{fi} – s1

Note: the material thus meets the building authority requirements for flame retardancy. No measurable smoke development was detected during the test.

Area of application

The classification is only valid for the in chapter one described building product in use as wood sealing, in the tested colors, layer thickness and surfaces weight, on carrier materials which are in practical application made of wood or the Euroclasses A1 and A2-s1, d0.

4 Reservation

This classification report replaces not a possible required type admittance or type certification of the product.

This report replaces the classification report 220103-K1 issued 30.03.2022 (date of signature) which is no longer valid.

Frankfurt, the 10.11.2022



H. Anders
Tester in charge



P. Scheinkönig
Technical Lab Leader construction product regulations

