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Technical and Test Institute for Construction Prague, SOE

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**Certification Body No 3015 accredited by the CAI
according to the ČSN EN ISO/IEC 17065:2013**

Certification schemes TZUS-1a (based on the scheme 1A by ČSN EN ISO/IEC 17067:2014,
based on testing)

Branch 0800 – FIRE SAFETY

REACTION TO FIRE
CLASSIFICATION REPORT
in accordance with ČSN EN 13501-1:2019

080-027496

Product Name:

TSM ThermoGUARD

carried out on the basis of test report No. 010-050793 and No. 020-053917

Order No: Z080260010

Classification report No.: PKP – 26 - 128

Applicant: INFO VIT Europe KFT
8200 Veszprém, HRSZ 8690, Hungary

Plant: INFO VIT Europe KFT
8200 Veszprém, HRSZ 8690, Hungary

Ordering Party: Notified Body 1020, Technical and Test Institute for Construction Prague,
SOE, Branch 020 – Ceske Bedejovice, Nemanicka 441, 370 10, Czech
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1. Introduction

This Classification Report determines the classification of a product called **TSM ThermoGUARD** in accordance with the procedures in ČSN EN 13501-1.

1.1. Normative backgrounds (including changes):

- ČSN EN 13501-1: Fire classification of construction products and building structures - Part 1: Classification according to the results of reaction to fire tests (9/2019)
- ČSN EN ISO 1182: Reaction to fire tests for products - non-combustibility test (1/2023)
- ČSN EN ISO 1716: Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (10/2018)
- ČSN EN 13238: Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates (6/2010)
- ČSN P CEN/TS 15117: Guidance on direct and extended application (2/2006)
- ČSN EN 15824 - Specifications for external renders and internal plasters based on organic binders (12/2009)

2. Description of the construction product

2.1. Generally

Product – TSM ThermoGUARD is defined according to the ČSN EN 15824 Specifications for external renders and internal plasters based on organic binders.

2.2. Description

TSM Ceramic

Type: TSM ThermoGUARD

Density: 380-580 kg/m³

Intended use: liquid thermal insulation coating based on acrylic polymers.

The product is fully described in the test report in support of classification listed in clause 3.1

3. Protocols and results used for this classification

3.1. Protocols

No.	Name of the laboratory	Name of the Manufacturer	Protocol No. Date of issue	Test method and date Application rules area and date
[1]	TZÚS Praha, s.p., branch 0100 – Prague AZL. Č. 1018.3	INFO VIT Europe KFT 8200 Veszprém, HRSZ 8690, Hungary	010-050793 (2026-04-27)	ČSN EN ISO 1182
[2]	TZUS Prague, s.p., Branch 0200 – ČB AZL 1018.3	INFO VIT Europe KFT 8200 Veszprém, HRSZ 8690, Hungary	020-053517 (2026-04-17)	ČSN EN ISO 1716

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – average	Compliance the parameters
ČSN EN ISO 1182	$\Delta T \leq 30 \text{ }^{\circ}\text{C}$	5	16.26	$\leq 30 \text{ (A1)}$
	$\Delta m \leq 50 \%$	5	29.32	$\leq 50 \text{ (A1)}$
	$t_f = 0 \text{ s}$	5	0	$= 0 \text{ (A1)}$
ČSN EN ISO 1716	$\text{PCS} \leq 2.0 \text{ MJ/kg}$	3	0.23	$\leq 2 \text{ (A1)}$



4. Classification and area of direct application

4.1. Classification links

This classification was carried out in accordance with ČSN EN 13501-1.

4.2. Classification

TSM ThermoGUARD is classified according to its reaction to fire:

A1

The additional classification in relation to smoke production is:

no additional classification

The additional classification in relation to flaming droplets / particles is:

no additional classification

Modification of the reaction to fire classification for construction products including thermal insulating pipe products and floor coverings:

Fire behavior		Smoke production			Burning particles	
A1		s	not classified	,	d	not classified

Reaction to fire classification: A1

4.3. Application area

This classification applies to the following parameters:

- The product described in paragraph 2
- Density: 380-580 kg/m³

The classification applies to the following end use applications:

- liquid thermal insulation coating based on acrylic polymers.

5. Restrictions

This classification report is valid, provided that the technical specifications of the product or standard provisions will not be changed.

This classification report is only valid as a whole, and each page must be provided by the identification number of the classification report, page number of the total number of pages and the stamp of the contractor.

This classification report does not replace any type approval or product certification.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 as amended laying down harmonised conditions for the marketing of construction products.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the



fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

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Prague, 12.05.2026