

CLASSIFICATION REPORT No.

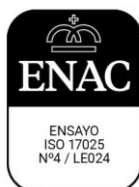
095215-005-2-a

CUSTOMER	3S Swiss Solar Solutions AG
CONTACT PERSON	Sarah Hellstern
ADDRESS	3S SWISS SOLAR SOLUTIONS AG SCHORENSTRASSE 39 CH-3645 GWATT (THUN)
PURPOSE	REACTION TO FIRE CLASSIFICATION REPORT ACCORDING TO EN 13501-1:2018
TESTED SAMPLE	PV VENTILATED FAÇADE REF.: «TeraSlate Facade Kromatix»
RECEPTION DATE	10.02.2025
TEST DATES	18.02.2025 -19.02.2025
ISSUE DATE	26.09.2025

Ainhoa Galparsoro
Technical Manager
Fire Safety Laboratory



- The results of the current report concern only and exclusively the material tested.
- This report shall not be reproduced, except in full, without the express authorisation of FUNDACIÓN TECNALIA R&I.
- At the request of the client, the agreed decision rule to give a declaration of conformity with the specification or standard is following a simple binary decision rule.
In this case, the upper limit of the value of the probability of false acceptance or false rejection, according to ILAC G8, is 50%.
(*) Information provided by the customer. Tecnalia is not responsible for the information provided by the customer and this information is not covered by the accreditation.



1. ASSIGNMENT/MISION

This report has been issued by Tecnia in the framework of the EU-funded research project Development of advanced manufacturing equipment and processes aimed at the seamless integration of multifunctional PV solutions, enabling the deployment of IPV (SEAMLESS-PV). The SEAMLESS-PV project has received funding from the European Union's Horizon Europe research and innovation programme grant agreement No 101096126. For more information about Seamless-PV, please visit: <https://www.seamlesspv.eu/>

The testing material was delivered by 3S to Tecnia. The tests were performed by Tecnia according to WP6 as part of deliverable D6.8 of the research project SEAMLESS-PV and maintaining the impartiality of the staff working on the testing activities with respect to the product development tasks.

2. PURPOSE OF THE REPORT

The purpose of this report is to determine the reaction to fire classification obtained by the sandwich panels referenced as «**TeraSlate Facade Kromatix**», in accordance with standard EN 13501-1:2018 *"Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests"*.

NOTE: This report does not imply any approval or certification of the product.

3. DESCRIPTION OF SAMPLE TO BE CLASSIFIED

The product referenced as «**TeraSlate Facade Kromatix**» is defined as a PV-ventilated façade. The characteristics and details of the product are described in the **TEST REPORT No.: 095215-005-1-a**

4. REPORT ON WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY	FUNDACIÓN TECNALIA R&I (headquarters Azpeitia) Bº Lasao, Área Anardi, 5 20730 Azpeitia (Gipuzkoa)
TEST APPLICANT:	3S SWISS SOLAR SOLUTIONS AG SCHORENSTRASSE 39 CH-3645 GWATT (THUN)
TESTED SAMPLE:	PV - VENTILATED FACADE
COMMERCIAL REFERENCE:	« TeraSlate system »
TEST REPORT No.:	095215-005-1-a
DATE OF ISSUE:	28.07.2025
TESTS CONDUCTED:	According to standards EN 13823:2020+A1:2022 and EN ISO 11925-2:2020

Note: At the request of the client, the agreed decision rule to give a declaration of conformity with the specification or standard is following a simple binary decision rule. In this case, the upper limit of the value of the probability of false acceptance or false rejection, according to ILAC G8, is 50%.

TEST RESULTS

TEST METHOD	PARAMETER	RESULTS	
		VALUES	UNCERTAINTY (k = 2)
EN 13823	FIGRA _{0.2 MJ}	20.1 W/s	1.0 W/s
	FIGRA _{0.4 MJ}	20.1 W/s	1.0 W/s
	LFS < edge	NO	-
	THR _{600S}	0.5 MJ	0.1 MJ
	SMOGRA	1.4 m²/s²	0.2 m²/s²
	TSP _{600s}	1.4 m²	0.2 m²
EN ISO 11925-2	Flaming droplets/particles	NO	-
	F _s ≤ 150 mm (in 60 s)	YES	-
	Filter paper flaming	NO	-

- The calculated expanded uncertainty corresponds only to the measuring equipment, the contribution due to the samples is not included.
- The expanded measurement uncertainty has been obtained by multiplying the typical measurement uncertainty by the coverage factor k=2 which, for a normal distribution, corresponds to a coverage probability of approximately 95%.



4.- CLASSIFICATION

In accordance with the standard EN 13501-1:2018, the photovoltaic façade referenced as «**TeraSlate system**» received at FUNDACIÓN TECNALIA R&I on 10th February 2025 gets the following Reaction to Fire classification:

Reaction to Fire Classification: B- s1, d0

This classification is valid when the product referenced as «**TeraSlate Facade Kromatix**» is used under the following conditions:

- As a construction product excluding floor covering and thermal insulation for linear pipes.
- When the product is applied on any end-use substrate of classes A1 and A2-s1, d0 (according to EN 13501-1).
- (**) according to C.1.3 of Annex C in EAD 090062-01-0404, the result is valid:
 - For the front side (photovoltaic side)
 - For other metal mechanical fixings with the same or higher number of cladding fixings.
 - For the other greater depth of the air (≥ 40 mm).
 - The test result is only applicable to end-use applications without thermal insulation layers.

(**) The activities marked with two asterisks are not covered by the ENAC accreditation.