Center for Testing and European Certification

ЛАБОРАТОРИЯ ЗА ИЗПИТВАНЕ НА СТРОИТЕЛНИ ПРОДУКТИ
гр.Стара Загора, ул.“Индустриална“ № 2

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Сертификат за акредитация, рег. No 252 ЛИ /17.06.2022г., валиден до 17.06.2026г, издаден от ИА БСА, съгласно изискванията на стандарт БДС EN ISO/IEC 17025:2018

ИА БСА
Рег.№252 ЛИ
ЛАБОРАТОРИЯ ЗА ИЗПИТВАНЕ

REPORT FROM
DETERMINATION OF THE PRODUCT TYPE

№ 1871-CPR-PTD-709/25.10.2023
Issue No: 1

The testing is performed from NB 1871 in accordance with the requirements of Annex V of Regulation (EU) No 305/2011 laying down harmonized conditions for the marketing of construction products, under system 3 for conformity assessment

Client:
Saint-Gobain Construction Products Albania, Rr. Budull, Nr.3 • 1039 Ahmetaq, Preze Vore • Albania

Application:
Evaluation of the performance of **Adhesive for tiles " Webercol Smart W "**, according to the requirement of the standard EN 12004:2007+A1:2012. Application № 3-0726 / 28.08.2023

Performer:
NB 1871 – Construction product testing laboratory

This product type-determination protocol consists of 5 pages and can only be used or reproduced in its entirety. The test results apply exclusively to the test specimens.

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1. General

The Notified Body NB 1871 Construction product testing laboratory was instructed by Saint-Gobain Construction Products Albania to carry out selected tests of **Adhesive for tiles " Webercol Smart W "** for evaluation of the performance according to the requirement of the standard EN 12004:2007+A1:2012

2. Date of delivery of the sample for testing to the laboratory: 28.08.2023

In accordance with the requirement of the applicant, the test samples were prepared at a ratio of 6.5 L of water to 25 kg of the dry mixture

3. Test methods:

3.1 БДС EN 1346:2008 Adhesives for tiles - Determination of open time

3.2 БДС EN 1348:2008 Adhesives for tiles - Determination of tensile adhesion strength for cementitious adhesives

4. Results from test report No 1181353/24.10.2023:

4.1 Open time - tensile adhesion strength according to БДС EN 1346:2008

1.1	After 5 min	N/mm²	1.3 / AF-S 1.3 / AF-S 1.0 / AF-S 1.3 / CF-A 0.9 / AF-S 1.2 / AF-S 1.2 / AF-S 1.3 / AF-S 1.0 / AF-S 1.0 / AF-S	Average 1.1
1.2	After 10 min	N/mm²	1.2 / AF-T 1.0 / AF-T 0.9 / CF-A 1.1 / CF-A 0.9 / AF-T 1.0 / AF-T 1.2 / AF-T 0.9 / AF-T 1.2 / AF-T	Average 1.0

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1.3	After 20 min	N/mm²	0.8 / AF-T	Average 0.8
			0.7 / AF-T	
			0.9 / AF-T	
			0.8 / AF-T	
			0.7 / AF-T	
			0.9 / AF-T	
			0.8 / AF-T	
			0.8 / AF-T	
			0.7 / AF-T	
			0.6 / AF-T	
1.4	After 30 min	N/mm²	0.5 / AF-T	Average 0.6
			0.6 / AF-T	
			0.7 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	
			0.5 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	

For Normal Setting Open time: tensile adhesion strength, the requirement is ≥ 0.5 N/mm² after not less than 20 min.
For Extended open time: tensile adhesion strength, the requirement is ≥ 0.5 N/mm² after not less than 30 min.

4.2 Initial tensile adhesion strength according to p.8.2 of БДС EN 1348:2008

2.	Initial tensile adhesion strength	N/mm²	1.2 / CF-A	Average 1.1
			1.3 / CF-A	
			1.2 / CF-A	
			1.3 / CF-A	
			1.1 / CF-A	
			1.3 / CF-A	
			1.0 / CF-A	
			1.2 / CF-A	
			0.9 / CF-A	
			1.0 / CF-A	

For Initial tensile adhesion strength, the requirement is ≥ 0.5 N/mm².

For High initial tensile adhesion strength, the requirement is ≥ 1 N/mm².

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4.3 Tensile adhesion strength after water immersion according to p.8.3 of БДС EN 1348:2008

3.	Tensile adhesion strength after water immersion	N/mm²	1.0 / AF-T 1.1 / AF-T 1.1 / AF-T 1.1 / AF-T 1.1 / AF-T 1.0 / AF-T 0.9 / AF-T 0.9 / AF-T 1.0 / AF-T 1.1 / AF-T	Average 1.0

For Tensile adhesion strength after water immersion the requirement is ≥ 0.5 N/mm².

For High Tensile adhesion strength after water immersion, the requirement is ≥ 1 N/mm².

4.4 Tensile adhesion strength after heat ageing-durability according to p.8.4 of БДС EN 1348:2008

4.	Tensile adhesion strength after heat ageing-durability	N/mm²	0.8 / AF-T 1.1 / CF-A 0.8 / AF-T 0.8 / AF-S 0.9 / AF-S 0.9 / AF-S 0.9 / AF-S 0.8 / AF-S 0.8 / AF-S 0.8 / AF-S	Average 0.9

For Tensile adhesion strength after heat ageing-durability the requirement is ≥ 0.5 N/mm².

For High Tensile adhesion strength after heat ageing-durability, the requirement is ≥ 1 N/mm².

4.5 Tensile adhesion strength after freeze-thaw cycle according to p.8.5 of БДС EN 1348:2008

5.	Tensile adhesion strength after freeze-thaw cycle	N/mm²	0.9 / AF-S	Average 0.7
			0.9 / AF-S	
			0.7 / AF-S	
			0.7 / AF-S	
			0.6 / AF-S	
			0.7 / AF-S	
			0.7 / AF-S	
			0.6 / AF-S	
			0.8 / AF-S	

For Tensile adhesion strength after freeze-thaw cycle the requirement is ≥ 0.5 N/mm².

For High Tensile adhesion strength after freeze-thaw cycle, the requirement is ≥ 1 N/mm².

5. Evaluation

The tested product can be classified regarding to the tested properties according to EN 12004:2007+A1:2012 as follows:

Property	Results	Class according to EN 12004:2007+A1:2012
Open time: tensile adhesion strength – after not less than 20 min	0.8 N/mm²	C1E
Open time: tensile adhesion strength – after not less than 30 min	0.6 N/mm²	
Initial tensile adhesion strength	1.1 N/mm²	
Tensile adhesion strength after water immersion	1.0 N/mm²	
Tensile adhesion strength after heat ageing	0.9 N/mm²	
Tensile adhesion strength after freeze-thaw cycles	0.7 N/mm²	

SIGNED:

Diyana Teneva
Specialist testing

APPROVED:

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on behalf of: CTEC LTD