Center for Testing and European Certification

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

ИА БСА е страна по многостранно споразумение ЕА MLA

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-708/25.10.2023
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 G "**, according to the requirement of the standard EN 12004:2007+A1:2012. Application № 3-0725 / 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.

CENTER FOR TESTING AND EUROPEAN CERTIFICATION Ltd. CONSTRUCTION PRODUCTS TESTING LABORATORY STARA ZAGORA

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 G "** 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 7.0 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

3.3 БДС EN 1308:2009 Adhesives for tiles - Determination of slip

4. Results from test report No 1181352/24.10.2023:

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

1.1	After 5 min	N/mm²	0.8 / CF-A 0.8 / CF-A 0.8 / CF-A 0.8 / CF-A 0.8 / CF-A 0.8 / CF-A 0.7 / CF-A 0.9 / CF-A 0.7 / CF-A 0.7 / CF-A	Average 0.8
1.2	After 10 min	N/mm²	0.8 / CF-A 0.8 / CF-A 1.0 / CF-A 0.8 / CF-A 0.8 / CF-A 0.9 / CF-A 0.8 / CF-A 0.7 / CF-A 0.9 / CF-A 0.8 / CF-A	Average 0.8

CENTER FOR TESTING AND EUROPEAN CERTIFICATION Ltd. CONSTRUCTION PRODUCTS TESTING LABORATORY STARA ZAGORA

1.3	After 20 min	N/mm²	0.9 / CF-A 1.1 / CF-A 1.0 / CF-A 1.1 / CF-A 0.9 / CF-A 0.9 / CF-A 0.9 / CF-A 1.1 / CF-A 0.9 / CF-A 1.0 / CF-A	Average 1.0
1.4	After 30 min	N/mm²	0.5 / CF-A 0.5 / CF-A 0.5 / CF-A 0.4 / CF-A 0.4 / CF-A 0.5 / CF-A 0.4 / CF-A 0.5 / CF-A 0.5 / CF-A 0.5 / CF-A	Average 0.47

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	0.9 / CF-A 0.8 / CF-A 0.9 / CF-A 0.9 / CF-A 0.9 / CF-A 0.8 / CF-A 0.7 / CF-A 0.8 / CF-A 0.9 / CF-A 0.9 / CF-A	Average 0.8

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

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

CENTER FOR TESTING AND EUROPEAN CERTIFICATION Ltd. CONSTRUCTION PRODUCTS TESTING LABORATORY STARA ZAGORA

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	0.8 / AF-T	Average 0.8
			0.6 / CF-A	
			0.9 / CF-A	
			0.8 / CF-A	
			0.8 / CF-A	
			0.8 / CF-A	
			0.7 / CF-A	
			0.8 / CF-A	
			0.8 / CF-A	
			0.7 / CF-A	

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	0.6 / CF-A	Average 0.7
			0.8 / CF-A	
			0.7 / CF-A	
			0.7 / CF-A	
			0.7 / CF-A	
			0.8 / CF-A	
			0.7 / CF-A	
			0.7 / CF-A	
			0.7 / CF-A	
			0.6 / CF-A	

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	0.6 / AF-T	Average 0.6
			0.6 / AF-T	
			0.7 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	
			0.5 / AF-T	
			0.5 / AF-T	
			0.6 / AF-T	
			0.6 / AF-T	

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.

4.6 Slip according to БДС EN 1308

6.	Slip	mm	0.4	Average 0.4
			0.2	
			0.4	

For Slip the requirement is ≤ 0.5 mm.

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	1.0 N/mm²	C1T
Initial tensile adhesion strength	0.8 N/mm²	
Tensile adhesion strength after water immersion	0.8 N/mm²	
Tensile adhesion strength after heat ageing	0.7 N/mm²	
Tensile adhesion strength after freeze-thaw cycles	0.6 N/mm²	
Slip	0.4 mm	

SIGNED:

Diyana Teneva
Specialist testing

APPROVED:

eng. Hristina Angelova
Head of laboratory
on behalf of: CTEC LTD