Center for Testing and European Certification

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

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ИА БСА
Рег.№252 ЛИ
ЛАБОРАТОРИЯ ЗА ИЗПИТВАНЕ

REPORT FROM
DETERMINATION OF THE PRODUCT TYPE

№ 1871-CPR-PTD-712/25.10.2023
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 Superflex G "**, according to the requirement of the standard EN 12004:2007+A1:2012. Application № 3-0723 / 28.08.2023

Performer:
NB 1871 – Construction product testing laboratory

This product type-determination protocol consists of 6 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 Superflex 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

3.4 БДС EN 12002:2009 Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts

4. Results from test report No 1181356/24.10.2023:

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

1.1	After 5 min	N/mm²	1.1 / AF-S	Average 1.3
			1.4 / AF-S	
			1.2 / AF-S	
			1.2 / AF-S	
			1.3 / AF-S	
			1.3 / AF-S	
			1.2 / AF-S	
			1.3 / AF-S	
			1.6 / AF-S	
1.2	After 10 min	N/mm²	1.9 / AF-S	Average 2.2
			2.2 / CF-A	
			2.3 / AF-S	
			2.4 / CF-A	
			2.2 / CF-A	
			2.0 / CF-A	
			2.1 / CF-A	
			2.2/ CF-A	
			2.2 / CF-A	

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1.3	After 20 min	N/mm²	1.7 / CF-A 1.9 / AF-T 1.8 / CF-A 1.4 / CF-A 1.6 / CF-A 1.6 / CF-A 1.7 / CF-A 1.8 / CF-A 1.7 / CF-A	Average 1.7
1.4	After 30 min	N/mm²	1.3 / AF-T 1.1 / CF-A 1.5 / CF-A 1.4 / CF-A 1.0 / CF-A 1.3 / CF-A 1.3 / CF-A 1.4 / CF-A 1.4 / CF-A 1.2 / CF-A	Average 1.3

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	2.2 / CF-A 1.9 / CF-A 1.9 / CF-A 2.2 / CF-A 1.9 / CF-A 2.1 / CF-A 2.0 / CF-A 2.0 / CF-A 1.9 / CF-A 1.9 / CF-A	Average 2.0

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	1.5 / AF-T	Average 1.4
			1.6 / CF-A	
			1.5 / CF-A	
			1.3 / CF-A	
			1.2 / CF-A	
			1.1 / CF-A	
			1.5 / CF-A	
			1.3 / CF-A	
			1.4 / CF-A	
			1.5 / 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	1.9 / CF-A	Average 1.9
			2.0 / CF-A	
			2.0 / CF-A	
			2.0 / CF-A	
			1.6 / CF-A	
			1.7 / CF-A	
			1.9 / CF-A	
			1.8 / CF-A	
			1.8 / CF-A	
			1.9 / 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	1.3 / AF-T 1.0 / AF-T 1.6 / AF-T 1.4 / AF-T 1.4 / AF-T 1.3 / AF-T 1.4 / AF-T 1.3 / AF-T	Average 1.3

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 0.5 0.4	Average 0.4

For Slip the requirement is ≤ 0.5 mm.

4.7 Transverse deformation according to БДС EN 12002

7.	Transverse deformation	mm	2.6 2.7 2.7 2.4 2.8	Average 2.6

For Deformable adhesive: transverse deformation the requirement is ≥ 2.5 mm and < 5 mm.

For Highly deformable adhesive: transverse deformation the requirement is ≥ 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	1.7 N/mm²	C2TES1
Open time: tensile adhesion strength – after not less than 30 min	1.3 N/mm²	
Initial tensile adhesion strength	2.0 N/mm²	
Tensile adhesion strength after water immersion	1.4 N/mm²	
Tensile adhesion strength after heat ageing	1.9 N/mm²	
Tensile adhesion strength after freeze-thaw cycles	1.3 N/mm²	
Slip	0.4 mm	
Transverse deformation	2.6 mm	

SIGNED:

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Specialist testing

APPROVED:

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