

**ЛАБОРАТОРИЯ ЗА ИЗПИТВАНЕ
КЪМ СОЛАР ПРОДЖЕКТ ООД**

Сертификат рег. № 150 ЛИ Валиден до 01.09.2018г
Издаден от ИА БСА в съответствие с БДС EN ISO / IEC 17025
ФК 510.01

**TEST LABORATORY
AT SOLAR PROJECT LTD**

Certificate of registration №150 TL
Valid until 01.09.2018г
Released by EA BSA in accordance with BS EN ISO / IEC 17025
FK 510.01



SOLAR PROJECT

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TEST PROTOCOL

№ 04/07.01.2016

- | | |
|---|---|
| 1. Unplasticized profile sections of polyvinyl chloride (PVC-U) for the manufacture of doors and windows | Profiles WP 6-chamber frame 72mm;
WP 6- chamber shash 72mm |
| 2. Applicant for testing - Weiss Profil LTD | Request № 04/ 07.01.2016 |
| 3. Test methods: | EN 514:2004
EN 477:2004
EN 479:2002
EN ISO 179-2:2012 |
| 4. Date of receipt of the samples (samples for testing) in the laboratory | 07.01.2016 |
| 5. Quantity of test samples: | - 2 test samples x 3 piece with a length x 250mm WP 6-chamber frame; WP 6- chamber shash;
- 2 test samples x 3 piece welded corners WP 6-chamber frame; WP 6- chamber shash;
- 2 test samples x 10 piece with a length x 300mm WP 6-chamber frame; WP 6- chamber shash;
- 2 test samples x 10 piece with a length (10 mm x 80 mm x 4 mm) 6-chamber frame; WP 6- chamber shash. |
| 6. Date of conducting the testing | 06.11.2015 |

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7. Test results

7.1 Testings (measurements within the scope of accreditation)

No in order	Name of indicator	Units of measure	Standards (validated methods)	No of sample in ent.-out.diary	Test results (value, uncertainty)	Value and tolerance of the indicator	Test conditions
1	2	3	4	5	6	7	8
1.	Strength of welded corners and T-joints	kN	EN 514	04-frame-3 04-shash-3	4.3 ± 0.1 5.4 ± 0.1	≥ 3.0 ≥ 3.5	T=21°C RH=39%
2.	Resistance to impact of main profiles by falling mass	%	EN 477	04-frame-10 04-shash-10	0 10	≤ 10	T=21°C RH=39%
3.	Heat reversion	%	EN 479	04-frame-3T 04-shash-3T	1.34 ± 0.07 1.26 ± 0.07	≤ 2	T=21°C RH=39%
4.	Charpy impact strength	kJ/m ²	EN ISO 179-2	04-frame-10Sh 04-shash-10Sh	48.44 ± 0.05 45.91 ± 0.05	≥ 20	T=21°C RH=39%

I. NOTE: If necessary the test protocol may include opinions and interpretations of certain tests (findings are not permitted) only in accordance with the requirements of t.5.10.5 BDS EN ISO / IEC 17025:2006./

II. NOTE: Test results relate only to test samples. Extracts from the test report may not be reproduced without written consent of the testing laboratory.

Doer of testing:

/eng. I.Georgieva/

Head of laboratory:

/Ph.D.eng. P.Naydenova/