



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Constructions Prague
pobočka / branch Praha

Akreditovaná zkušební laboratoř • Autorizovaná osoba • Certifikační orgán • Inspekční orgán
Accredited Test Laboratory Authorised Body Certification Body Inspection Body



L 1018.5

REPORT

Test Laboratory No. 1018.5

Accredited by The Czech Institute for Accreditation o.p.s. in accordance with
ČSN EN ISO/IEC 17025

No. 010-032727

on bond strength between adhesive and substrate, according to ETAG 004,
Art. 6.1.4.1.2

Client: Technical and Test Institute for Construction Prague, s. p.
Address: branch 0100 Prague
Prosecká 811/76a, 190 00 Praha 9
IČ: 00015679

Applicant: ZNR Yapi Kimyasallari San.Tic.Ltd.Şti.
Address: Osmaniye Organize Sanayi Bölgesi, Büyük Tüysüz Köyü
Civari 104 Ada, 5 Nolu Parsel
Toprakkale/OSMANIEY/TÜRKIYE

Tested subject: ISI YALITIM LEVHA YAPIŞTIRICISI

Order number: Z 010 13 0351

Report contains 3 written pages including the title page

Number of Annexes: 0

The person responsible for the content of this report:

Ing. Zdeněk Kočí
Report executor

The person responsible for correctness of this report:

Ing. Radka Sedmidubská
Deputy Manager of the Test Laboratory

Prague, 17.12.2013

Copy No. 1
Number of copies: 4



Stamp of Test Laboratory No. 1018.5

Declaration:

- 1) Results of the tests are valid only for the sample that has been tested and they don't substitute another documents.
- 2) Without the approval by the testing laboratory the protocol may not be copied otherwise than complete. Neither the protocol nor its parts may be altered in any way.

1. Identification of the subject of tests

1.1. Tested sample: ISI YALITIM LEVHA YAPIŞTIRICISI (adhesive)

1.2. Manufacturer: ZNR Yapi Kimyasallari San.Tic.Ltd.Şti., Osmaniye Organize Sanayi Bölgesi, Büyük Tüysüz Köyü Civari 104 Ada, 5 Nolu Parsel Toprakkale/OSMANIEY/TÜRKİYE

1.3. Place of production: ZNR Yapi Kimyasallari San.Tic.Ltd.Şti., Osmaniye Organize Sanayi Bölgesi, Büyük Tüysüz Köyü Civari 104 Ada, 5 Nolu Parsel Toprakkale/OSMANIEY/TÜRKİYE

2. Specification of test methods:

- Bond strength test between adhesive and substrate

3. Sampling:

Date of sampling: 16th September 2013
Place of sampling: dispatching warehouse of the applicant
Samples were taken by: delivered by applicant to Technical and Test Institute
Date of take-over: 18th September 2013
Samples were taken over in ATL No. 1018.5 by: Ing. Zdeněk Kočí

The samples were marked with file number:

ISI YALITIM LEVHA YAPIŞTIRICISI (adhesive) (marked 351/13-B)

The test specimens were prepared according to technical requirements of the applicant and relevant standards.

4. Test methods, standards and procedures

4.1. The tests were carried out according to standards:

ETAG 004	Guideline for ETA of External Thermal Insulation Composite Systems (ETICS) with Rendering, Edition 2000, Amended August 2011, Amended February 2013
Art. 5.1.4.1.2	Bond strength test between adhesive and substrate

4.2. Deviations from the standard testing methods:

Declaration by the responsible technician: no deviation from the standard testing methods has been applied.

5. Testing equipment

Universal scales Sartorius E 12000 S (range 0-12 kg)	ID: 65
Slide gauge 0 – 150 mm	ID: 194
Slide gauge 0 – 450 mm	ID: 203
Hygrometer with thermometer	ID: 256
Pull-off machine MPPV 01 with the range of 0-10 kN	ID: 300

All the testing and measuring equipment is calibrated and filed in the metrological order of testing laboratory. Certificates of calibration are deposited by the metrologist of the laboratory.

6. Test results

Test was carried out by: Vlastimil Valeš

6.1. Bond strength test between adhesive and substrate

The tests samples were stored in the air-conditioned environment of 23 ± 1 °C, 50 ± 2 % of RH for 28 days before the tests were carried out.

Date of test: 27th November – 6th December 2013

Composition of the tested system:

- Substrate: concrete plates – composition and min. thickness according to ETAG 004, Clause 5.1.4.1.2
- Adhesive: ISI YALITIM LEVHA YAPIŞTIRICISI

Table No.1

Storage conditions of test sample	Units	Specified value		Rupture typology
		partial	average	
no complementary conditioning	N/mm ²	1,09 0,95 0,97 1,10 1,05	1,03	B
2 days immersion in water + 2 h drying	N/mm ²	0,62 0,86 0,49 0,88 0,71	0,71	C
2 days immersion in water + 7 days drying	N/mm ²	0,83 1,18 1,31 1,23 0,86	1,08	C

B ... cohesive break in adhesive

C ... cohesive break from substrate

END of the Test Report