



Prüfzentrum für Bauelemente

Dipl.-Ing. (FH) Rüdiger Müller

Fenster · windows
Rollläden · shutters
Türen + Tore · doors
Fassaden · curtain walling
Baubeschläge · building hardware

April 03, 2018

RM/YA

TEST REPORT NO. 18/03-A001-B1

PfB-Internal-No. 18/04-A156

Version 1.en

Sound Insulation calculation according EN 14351-1 : 2006 + A2 : 2016 “Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets”

Order No. 18/03-A001

Applicant Deceuninck TR
MPIO SB Atatürk Plastik OSB Mah. 5.Cad. No:4
Menemen - İzmir
Türkiye

Product type Single leaf sliding door with fixed glazing side part, PVC

Product name Sliding

Conducted tests - Sound Insulation

Test Certificate No. 18/03-A001-Z1 of April 03, 2018 issued by **PfB**

Responsible test person Dipl.-Ing. (FH) Rüdiger Müller

This report consists of 4 pages. The following are included as appendix:
- 4 Pages technical documentation

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Deceuninck TR – Izmir - Türkiye

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Attachment

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1 Introduction and Scope

The customer Deceuninck TR confirmed the order by mailing the submission form on the 26 March 2018 to PfB Turkey Atatürk Organize Sanayi Bölgesi 10045 Sokak No 7, 35620 Çiğli – Izmir, Turkey. With the delivery of drawings, the applicant requested calculation of sound insulation R_w (C;Ctr) in accordance with Annex B of EN 14351-1 : 2006 + A2 : 2016. It was performed in collaboration between PfB Turkey and the notified Body inspection authority Prüfbzentrum für Bauelemente (**PfB**).

The test results were classified according to below standards

- EN 14351-1 : 2006 + A2 2016 “Windows and doors – Product standard”

2 Test Sample

2.1 Test samples construction

Test samples	Labelling by customer	Labelling by PfB
Single leaf sliding door with fixed glazing side part, PVC	Sliding	18/03-A001-P1

2.2 Technical Documentation

On 04 April 2018 the customer completed drawings and technical fact sheets with regard to the test sample submitted by e-mail. They have been provided with a **PfB** endorsement and attached to this test report. The applicant is responsible for the correctness and accuracy of the statements. These statements were reviewed only at random by **PfB**.

- “ift test report” (attachment 1)
- “section view” (attachment 2)
- “section view” (attachment 3)
- “glass information” (attachment 4)

2.3 Technical Data of the Test Samples

Test sample no. 18/03-A001-P1

Single leaf sliding door with fixed glazing side part, PVC ,double glazing:

Total outside dimension (w x h): 2000 mm x 2200 mm

Casement dimensions (w x h): 1003 mm x 2122 mm

More details of the configuration of the test sample are given in 2.2 Technical Documentation.

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3 Calculation Bases

The calculations were performed using methods and formulas given in EN 14351-1 : + A2 : 2016 Annex B for sound insulation. Material characteristics (values of sound insulation) as specified in EN 14351-1 and according to applicant's specifications.

4 Results

4.1 Sound Insulation according to EN 14351-1

The specimen satisfies air tightness performance of class 4 according to EN 14351-1, for test result see Technical documentation (for air tightness verification see ift reports (10236750/16).

The glazing of the specimen was referred to the technical information from the manufacturer following noise levels: structure 6 - 16 – 8.4, $R_w (C; Ctr) = 39 (-1, -5)$ dB. After reaching the standard EN 14351-1 Annex B, Tables B1 to B3 with these types of glazing following weighted sound reduction measures in dB:

Size of Specimen	Double glazing	4 - 16- 8.4
Area $\leq 2,7 \text{ m}^2$	$R_w (C; Ctr)$ dB	37 (-1;-4)
$2,7 \text{ m}^2 \leq \text{Area} \leq 3,6 \text{ m}^2$	$R_w (C; Ctr)$ dB	36 (-1;-4)
$3,6 \text{ m}^2 \leq \text{Area} \leq 4,6 \text{ m}^2$	$R_w (C; Ctr)$ dB	35 (-1;-4)
Area $> 4,6 \text{ m}^2$	$R_w (C; Ctr)$ dB	34 (-1;-4)

5 General

This Test Report is intended for the applicant only and must not be published, wholly or in part, without prior permission of both the applicant and **PfB**.


Test Certificate No. 18/03-A001-Z1 was issued for publication purposes.

The original document will be sent to the customer. The customer also receives a copy of the document in pdf format. One copy remains with **PfB**.

The results may only be applied exclusively on the tested test samples. Test results may be used for similar windows only if structure, material, components and production procedure are the same as the tested windows.

PfB declares that they can not be claimed for recourse with regard to the content of the report.

This report is valid as long as the Standard EN 14351-1: 2006 + A2 : 2016 is in force and no essential changes of the structure and/or production procedure has been taken place.



Dipl. Ing. (FH) Rüdiger Müller
 Head of Institute




Yiğit Altuğ
 Responsible Official

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Deceuninck TR – Izmir - Türkiye

Nachweis

Widerstandsfähigkeit bei Windlast
Schlagregendichtheit
Luftdurchlässigkeit
Bedienkräfte
Tragfähigkeit von Sicherheitsvorrichtungen



Prüfbericht 102 36750/16

Auftraggeber **Ege Profil Tic. ve San. A.S.**
Atatürk Org. Sanayi Bölgesi
10003 Sokak No: 5
Cigli/Izmir
Türkei

Grundlagen

EN 14351-1: 2006-03
Prüfnormen:
EN 1026: 2000-06
EN 1027: 2000-06
EN 12211: 2000-06
EN 12048-1: 2003-11
EN 14609: 2004-03

Produkt **Einflügelige Schiebe-Fenstertür**

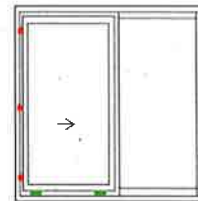
System **Sliding**

Außenmaß (B x H) **2000 mm x 2200 mm**

Rahmencolor **PVC/U weiß**

Besonderheiten **Es ist die maximale Randdurchbiegung des Mehrscheiben-Isolierglases gemäß DIN EN 1279-5:2005-08 Glas im Bauwesen – Mehrscheiben – Isolierglas zu beachten.**

Darstellung



Verwendungshinweise

Dieser Prüfbericht dient zum Nachweis der obigen genannten Eigenschaften für Fenster nach EN 14351-1: 2006-03. Klarstellend kann er als Grundlage für den herstellereigenen zusammenfassenden ITI-Bericht im Konformitätsnachweisverfahren 3 als Grundlage einer Herstellererklärung verwendet werden.

Gültigkeit

Die genannten Daten und Ergebnisse beziehen sich ausschließlich auf den geprüften und beschriebenen Probekörper.

Die Prüfergebnisse können auf gleiche oder kleinere Abmessungen bei gleicher Konstruktion, Anschlagart und ähnlichem Format unter Einhaltung des Flügengewichts übertragen werden.

Diese Prüfung ermöglicht keine Aussage über weitere Leistungs- und qualitätsbestimmende Eigenschaften der vorliegenden Konstruktion, insbesondere Witterungs- und Alterungserscheinungen wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt ift-Merkblatt „Bedingungen und Hinweise zur Benutzung von ift-Prüfdokumentationen“.

Das Deckblatt kann als Kurzfassung verwendet werden.

Inhalt

Der Nachweis umfasst insgesamt 11 Seiten.

Widerstandsfähigkeit bei Windlast – EN 12210



Klasse C1 / A2

Schlagregendichtheit – EN 12208



Klasse 2A

Luftdurchlässigkeit – EN 12207



Klasse 4

Bedienkräfte – EN 13115



Klasse 2

Tragfähigkeit von Sicherheitsvorrichtungen



Anforderung erfüllt

ift Rosenheim
12. November 2008

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Prüfstellenleiter
ift Zentrum Fenster & Fassaden

Robert Kolacny, Dipl.-Ing. (FH)
Prüfingenieur
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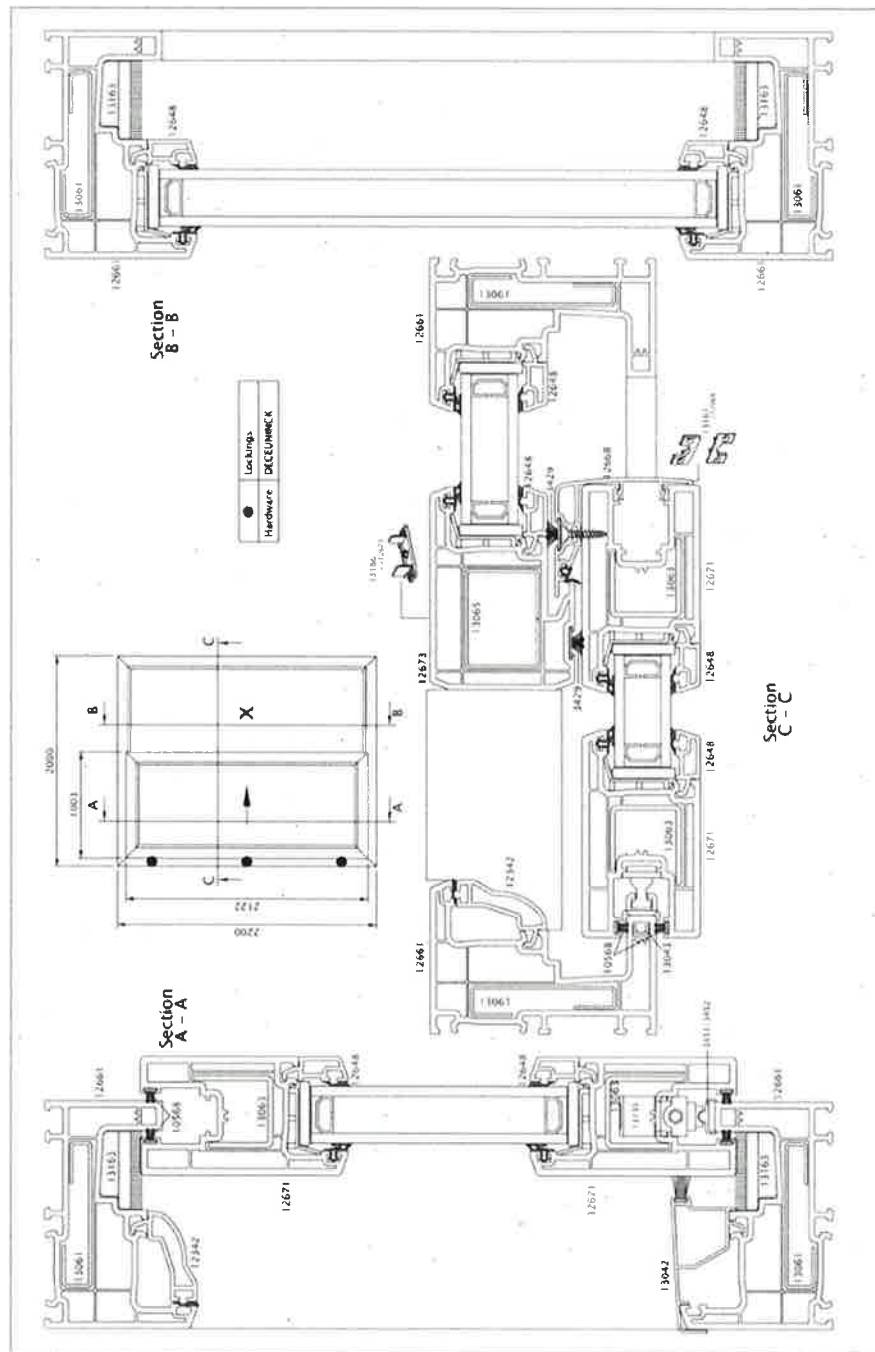
Notified Body Nr. 0757
Anerkannte PUZ-Stelle BAY 18

Nachweis
Widerstandsfähigkeit bei Windlast, Schlagregendichtheit, Luftdurchlässigkeit,
Bedienkräfte, Tragfähigkeit von Sicherheitsvorrichtungen

Blatt 4 von 10

Prüfbericht 102 36750/16 vom 12. November 2008

Auftraggeber Ege Profil Tic. ve San. A.Ş., TR- Cigli/Izmir



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Zeichnung 1 Darstellung des Probekörpers

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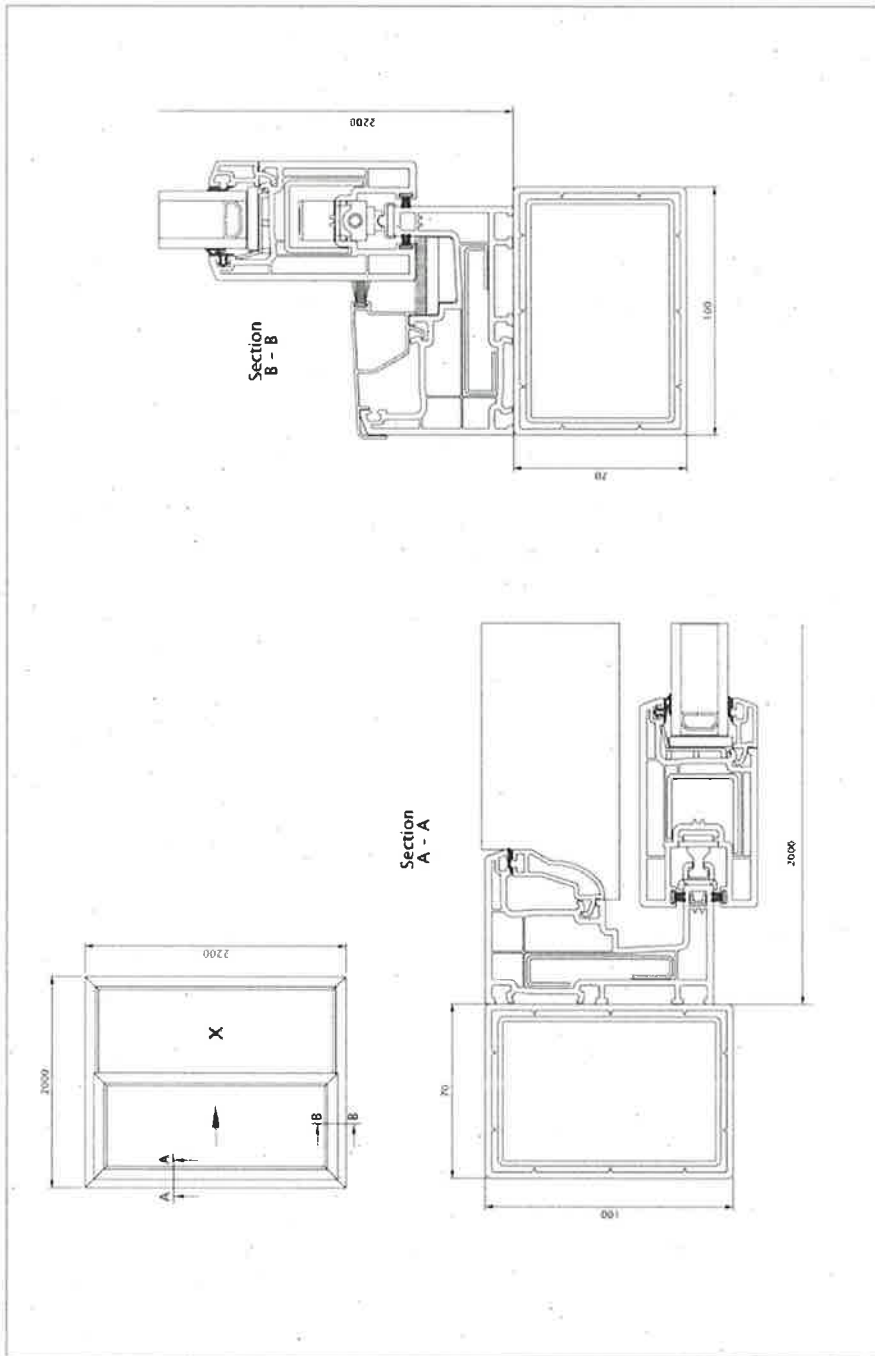
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Nachweis
Widerstandsfähigkeit bei Windlast, Schlagregendichtheit, Luftdurchlässigkeit,
Bedienkräfte, Tragfähigkeit von Sicherheitsvorrichtungen

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Auftraggeber Ege Profil Tic. ve San. A.Ş., TR- Cigli/Izmir



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Zeichnung 2 Einbau in den Umfassungsrahmen

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Deceuninck TR – Izmir - Türkiye

2 Nis (2 gün önce)

Anıl Kalyalar
Alıcı bana, Didem, PFB Harun >
Yiğit Bey Merhaba.

Telefonda konuştuğumuz üzere teknik özellikler Everest Max ve Sürme sistemleri akustik cam değerleri aşağıdaki gibi belirtilmiştir. 2 platform için de aynı cam değerini kullanabiliriz

glass thickness (mm) cam kalınlığı (mm)	layer description (ara katman)	type	Rw [dB]	combination (kombinasyon)	glass performance Cam / Ünite performansı			
					Rw [dB]	Rw + C [dB]	Rw + Ctr [dB]	
30	transparent PVB	double glass	39 (-1; -5)	6/16/8.4	39	38	34	6/16/8.4

Saygılarımla,
Anıl