



**CONFIDENTIAL**

**Report: Chilt/P08164/01**

**Certificate report on the testing of a window to EN 1026, EN 1027, EN 12211 and to the principles of EN 12609 for load bearing capacity of safety devices**

**Issue date: May 2009**



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**Prepared for:**  
**Firat Plastik Kauçuk San. ve Tic. A.Ş**  
**Tükoba Köyü P.K:12**  
**Büyüçekmece**  
**Istanbul**  
**Turkey**

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## Certificate of Test: Chilt/P08164/01

This certificate is awarded to:

**Firat Plastik Kauçuk San. ve Tic. A.Ş**  
Tükoba Köyü P.K:12  
Büyüçekmece  
Istanbul  
Turkey

This document confirms that performance testing was conducted from 6 January 2009 to 15 February 2009. Testing was conducted to the following standards:-

- EN 1026:2000 Windows and doors – Air permeability – Test method .
- EN 1027:2000 Windows and doors – Watertightness – Test method.
- EN 12211:2000 Windows and doors – Resistance to wind load – Test method
- And EN 14351 Part 1 testing to the principles of EN 12609:2004 for load bearing capacity of safety devices

Product tested	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system tilt turn window		
<b>Summary of testing and classification</b>			
	<b>Test Standard</b>	<b>Classification standard</b>	<b>Result</b>
<b>Air permeability</b>	EN 1026: 2000	EN 12207: 2000	600pa Class 4
<b>Watertightness</b>	EN 1027: 2000	EN 12208: 2000	200pa Class 5A
<b>Wind resistance</b>	EN 12211: 2000	EN 12210: 2000	1200pa Class A3
EN 14351 Part 1 testing to the principles of EN 12609:2004			No apparent damage

The results relate only to the specimen tested, as detailed in technical specification document number Chilt/P08164/tec1

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Head of Section Mechanical Testing

Date: 8 May 2009

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Technical Manager

Date: 08-05-2009

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## Technical specification

No: Chilt/P08164/tec1

Test For: Firat Plastik Kauçuk San. ve Tic. A.Ş, Tükoba Köyü P.K:12,  
Büyüçekmece, Istanbul , Turkey.

Performance testing to EN 1026:2000, EN 1027:2000, EN 12211:2000 and EN 14351 Part 1 testing to the principles of EN 12609:2004 was conducted on your window from 6 January 2009 to 15 February 2009 and the technical specification is detailed below. The specimen was delivered to Chiltern Dynamics laboratory on 16 December 2008.

### Description of construction

The specimen was identified as Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system tilt turn window and configured as a tilt turn casement over fixed light. The overall frame dimensions were 835mm wide x 1995mm high x 60mm deep. The casement dimensions were 755mm wide x 1240mm high x 60mm thick. The specimen was not key locking

### Casement

	Material/type	Dimensions (mm)
Stiles and rails	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system (Ref. 97255)	60 x 75
Rebate	Single type	46 x 20
Reinforcement	Steel U section (Ref. 001)	33 x 21 x 1.5
Joints	Mitre and PVC weld	-

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## Window frame

	Material/type	Dimensions (mm)
Stiles and rails	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system (Ref. 97260)	60 x 66.5
Reinforcement	Steel U section (Ref. 001)	33 x 21 x 1.5
Transom	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system (Ref. 97273)	60 x 80
Rebate	Single type	46 x 25
Joints	Mitre and PVC weld	-
Transom bracket	Firat Plastik ve Kauçuk A.Ş bracket (Ref. 707580) fixed by 1No M6 x 75 machine screw through Stile with 4No 4 x 25 self drilling screws to the stile and 2No 4 x 25 self drilling screws and 2No 4 x 15 self drilling screws to the transom per bracket	68 x 42 x 36

## Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinge and locking mechanism	Winkhaus tilt/turn mechanism (Ref. 700023)	16 wide	28No 4 x 22 screws
Keeps	6No cam bolt keeps (Ref. 250102)	44 x 12	1No 4 x 40 self drilling screws
	2No mushroom bolt keeps (Ref. 250103)	98 x 25	3No 4 x 40 self drilling screws
Handle	Winkhaus (Ref. 34001)	120 lever length	2No M5 x 40 machine screws

## Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Firat Plastik EPDM seal (Ref. 002)	6 wide	Rebate upstand of casement
Frame reveal	Firat Plastik EPDM seal (Ref. 002)	8 wide	Rebate upstand of frame
Seal continuity	Seals uninterrupted by hardware	-	-

### Glazing casement

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	4 glass, 16 spacer, 4 glass	-
Overall size	646 wide x 1125 high	-
Sight size	615 wide x 1085 high	-
Gasket	Firat Plastik EPDM black seal (Ref. 001)	Between rebate upstand and glass push fit into PVC profile
	Firat Plastik TPE black seal (Ref. 003)	Between glazing bead and glass push fit into PVC profile
Glazing bead	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system (Ref. 97267)	Internal perimeter of glazing aperture push fit into casement profile
Packers	2No 4 thick plastic packers	At bottom right hand corner and top left hand corner on sides of unit

### Glazing fixed light

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	4 glass, 16 spacer, 4 glass	-
Overall size	740 wide x 622 high	-
Sight size	710 wide x 590 high	-
Gasket	Firat Plastik EPDM black seal (Ref. 001)	Between rebate upstand and glass push fit into PVC profile
	Firat Plastik TPE black seal (Ref. 003)	Between glazing bead and glass push fit into PVC profile
Glazing bead	Firat Plastik ve Kauçuk A.Ş PVC-U profile S60 system (Ref. 97267)	Internal perimeter of glazing aperture push fit into frame profile
Packers	2No 4 thick plastic packers	At bottom right hand corner and top left hand corner on sides of unit