

## Evidence of Performance

Hardware for sliding doors as per  
DIN EN 1527 : 1998

Test Report 215 43216

Translation of Test Report 215 43216 dated  
16 August 2010

Client **ABP-Beyerle GmbH**  
Im Schollengarten 24b  
D-76646 Bruchsal



**Basis**  
DIN EN 1527 : 1998 – Hardware for sliding doors and folding doors - Requirements and test methods

### Representation



**Instructions for use**  
This test report serves to verify the performance of hardware as per DIN EN 1527 : 1998.

**Validity**  
The data and results given refer solely to the tested construction products.

### Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies. The cover sheet can be used as an abstract.

### Contents

The report comprises a total of 39 pages:  
1 Object  
2 Procedure  
3 Detailed results  
4 Evaluation of test results  
5 Overall assessment  
Annex 1 (26 pages)

Construction product	Hardware for sliding doors Flatec I; Flatec 2; Unotec Home; Tritec; Antra 1; Antra 2
Designation	Antra 2
Item numbers for timber doors	USO45; USO55; USH35; USO65; USO47; USO56
Item numbers for glass doors	USO44; USH34; USO64; USO46;
Track	PEF-US-LS18W
Rollers for timber doors	USO121EF; USO130EF; USH105EF; USO123EF; USO129EF; USO131EF
Rollers for glass doors	USO120EF; USH100EF; USO122EF; USO126EF
Wall connection	USO215EF(timber door) and USO210EF(glass door)
Max. load-bearing capacity	100 kg
Fixing of track supports	M8 stud screw
Installation and assembly	According to installation and assembly instructions of company ABP-Beyerle GmbH



The hardware for sliding doors qualifies for the following classification as per DIN EN 1527:1998:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Application	Initial friction
-/-	6	2	0	-/-	4	-/-	1	3

**1. 2. 3. 4. 5. 6. 7. 8. 9.**

ift Rosenheim  
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Fittings for sliding doors  
in accordance  
with DIN EN 1527 : 2013

The testing institute ift Rosenheim has successfully tested our ABP-Beyerle sliding door systems for glass or wooden doors.

The assessment tests apply for the systems:

## 1. Top Hung Systems (~22 N = 5 lbf):

### SOLID TRACK

Flatec I, Flatec II, Unotec Home, Duetec Tritec, Antra I, Antra II among others.

### HOLLOW TRACK

Flatec IV, Flatec V, Project among others.

## 2. Base Bottom Roller Systems (~3 N = 0.7 lbf):

Silent Glam, Belans

Duration of functional ability:  
100,000 cycles

### Door mass:

Top Hung Systems 220 lbs (100 kg),  
Duetec 132 lbs (60 kg)  
Bottom Roller Systems 330 lbs (150 kg)

### Corrosion resistance:

240 h salt spray fog test  
in accordance with EN 1670

### Initial friction:

less than or equal to 40 N

The standard has different grades or groups which are named in the table/chart. (1., 4., 5., 7., don't work for the sliding door as the standard can be used for folding doors as well). He requires less than or equal to 40 N (with a 100 kg door)

2. Duration of functional ability:  
100,000 cycles

3. Door mass:  
100 kg, (Duetec 60 kg)  
(150 kg for Bottom Roller)

6. Corrosion resistance:  
240 h salt spray fog test  
in accordance with EN 1670

8. Type of door:  
Sliding door

9. Initial friction:  
less than or equal to 40 N  
(with a 100 kg door)

The effective results for the initial friction:

Top Hung Systems (100 Kg)  
in average approx. 22 N = 5 lbf

Bottom Roller Systems (150 Kg)  
in average approx. 3 N = 0.7 lbf

Model, program, technical modifications, information and errors are excepted. The right to make design or specification changes is reserved at any time.

## Classification of hardware for sliding doors and folding doors in accordance with the European Standard EN 1527 : 2013

Classification, 9 digit codes

Position	1.	2.	3.	4.	5.	6.	7.	8.	9.
	Category of Use	Durability	Door Mass	Fire Resistance	Safety	Corrosion Resistance	Security	Category of Door	Initial Friction
Top Hung Systems	-/-	6	2	0	-/-	4	-/-	1	3
Bottom Roller Systems	-/-	6	3	0	-/-	4	-/-	1	3

### Explanation for classification

Top Hung Systems	No grade identified	100,000 cycles	220 lbs (100 Kg) Duetec	Not approved for use on fire door assemblies	No grade identified	Corrosion resistant acc. EN1670, (please see comment)	No grade identified	Sliding door	Less than 40N, (please see effective results)
Bottom Roller Systems			132 lbs (60 Kg) 330 lbs (150 Kg)						