

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 2-4

Hardware performance sheet (HPS) – Identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and/or smoke control doorsets and/or operable windows.

Test Report no.	Timber doors	Steel/metal doors	Aluminium profile	Steel profile	Single leaf	Double leaf	Latched	Unlatched	Fire resistance EN 1634-1	Smoke control EN 1634-3	Product inside the oven	Product outside the oven	Product concealed	Duration of fire resistance								Durability of selfclosing EN 1191	
														EI 1 or EI 2 insulated doorset					E un-insulated doorset				Test cycles
														I1	I2	≥ 30	≥ 60	≥ 90	≥ 30	≥ 60	≥ 90	≥ 240	
350451	x				x			x	x				x										
IT 13-175	x				x			x	x				x										
251 31090/22	x				x		x														1000000		
MA39-VFA2009-1173.01			x			x	x														500000		

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 2-4

Test report no. 350451, EN 1634-1, timber, single leaf, insulated, unlatched

Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ITS 96 EN 2-4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 3 | 8 | 2-4 | 1 | 1 | 1 | 4

Main dimensions [mm]: 277x32x42

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

Type of door set: Hinged, single leaf door set

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 24.07.2015

Test report issued by: EXOVA Warringtonfire

Classification: EI 2 60min.

Width of primary leaf: 1006mm

Width of secondary leaf: --

Door leaf height: 2080mm

Door thickness: 54mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 2-4

Test report no. IT 13-175, EN 1634-1, timber, single leaf, insulated, unlatched

Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ITS 96 EN 2-4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 3 | 8 | 2-4 | 1 | 1 | 1 | 4

Main dimensions [mm]: 277x32x42

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

Type of door set: Hinged, single leaf door set

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 18.02.2015

Test report issued by: Forte Testing and Consultants Company Limited

Classification: EI 1 91min.

Width of primary leaf: 1018mm

Width of secondary leaf: --

Door leaf height: 2100mm

Door thickness: 47mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 2-4

Test report no. 251 31090/22, EN 1191, timber, single leaf, insulated, latched

Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ITS 96 EN 2-4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 3 | 8 | 2-4 | 1 | 1 | 1 | 4

Main dimensions [mm]: 277x32x42

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

Type of door set: Hinged, double leaf door set

Performance level(s)

Performance: Durability of selfclosing

Test method: EN 1191

Date: 01.12.2006

Test report issued by: ift Rosenheim

Classification: 1 000 000 test cycles

Width of primary leaf: 1109mm

Width of secondary leaf: --

Door leaf height: 2485mm

Door thickness: 70mm

Mass of primary leaf: 133Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 2-4

Test report no. MA39-VFA2009-1173.01, EN 1191, aluminium profile, double leaf, insulated, latched

Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: ITS 96 EN 2-4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 3 | 8 | 2-4 | 1 | 1 | 1 | 4

Main dimensions [mm]: 277x32x42

Remarks: --

Test evidence

Material of door set: aluminium profile

Mounting of building hardware: product concealed

Type of door set: Hinged, double leaf door set

Performance level(s)

Performance: Durability of selfclosing

Test method: EN 1191

Date: 03.09.2003

Test report issued by: Magistrat der Stadt Wien

Classification: --

Width of primary leaf: 1024mm

Width of secondary leaf: 1024mm

Door leaf height: 2168mm

Door thickness: --

Mass of primary leaf: 103Kg

Mass of secondary leaf: 103Kg

Restrictions: --

Installation Instructions: --

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