

EN 16035 Hardware Performance Sheet (HPS)

TS 99 FL

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	
181760	x				x			x	x			x											
181760	x				x			x	x			x											

EN 16035 Hardware Performance Sheet (HPS)

TS 99 FL

Test report no. 181760, EN 1634-1, timber, single leaf, insulated, unlatched

Building hardware identification

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

Manufacturer's product reference: TS 99 FL EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154, EN 1155

Classification(s): EN 1154: 4 | 8 | 2-5 | 1 | 1 | 1 | 3, EN 1155: 3 | 8 | 3-5 | 1 | 1 | 1 | 3

Main dimensions [mm]: 413x52x71

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: Surface mounted, product outside the oven

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: 30.07.2009

Test report issued by: Warringtonfire

Classification: EI 2 60 min.

Width of primary leaf: 937mm

Width of secondary leaf: --

Door leaf height: 2035mm

Door thickness: 54mm

Mass of primary leaf: 69Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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Main dimensions [mm]: 413x52x71

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: Surface mounted, product inside the oven

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: 30.07.2009

Test report issued by: Warringtonfire

Classification: EI 2 50 min.

Width of primary leaf: 937mm

Width of secondary leaf: --

Door leaf height: 2035mm

Door thickness: 54mm

Mass of primary leaf: 69Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --