

# EN 16035 Hardware Performance Sheet (HPS)

## PHA 2500

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 uninsulated doorset				Test cycles	
														I1	I2	≥ 30	≥ 60	≥ 90	≥ 30	≥ 60	≥ 90	≥ 240		
DMT-DO-50-465	x					x	x		x		x													
DMT-DO-50-172-001	x				x		x		x		x													
198681	x				x		x		x		x													
151816	x				x		x		x		x													
148869	x				x		x		x		x													
148383		x					x		x		x													x
141929	x				x		x		x		x													
DMT-DO-51-149	x					x	x																	400 000

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. DMT-DO-50-465, EN 1634-1, timber, double leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

Remarks: --

## **Test evidence**

Material of door set: timber

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

Type of door set: hinged, double leaf door set

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 19.12.2017

Test report issued by: DMT Lathen

Classification: EI 2 93 min., EI 1 88 min.

Width of primary leaf: 1300mm

Width of secondary leaf: 1300mm

Door leaf height: 2650mm

Door thickness: 105mm

Mass of primary leaf: 207,5Kg

Mass of secondary leaf: 207,5Kg

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. DMT-DO-50-172-001, EN 1634-1, timer, single leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

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: 29.07.2014

Test report issued by: DMT Lathen

Classification: EI 2 101min.

Width of primary leaf: 1110mm

Width of secondary leaf: --

Door leaf height: 2315mm

Door thickness: 64,6mm

Mass of primary leaf: 85Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. 198681, EN 1634-1, timer, single leaf, insulated, latched**

## Building hardware identification

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

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: 19.05.2011

Test report issued by: EXOVA Warringtonfire

Classification: EI 2 65min.

Width of primary leaf: 933mm

Width of secondary leaf: --

Door leaf height: 2035mm

Door thickness: 54mm

Mass of primary leaf: 66Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

Hardware\_Performances\_Sheet\_Vorlage.docx Version: 30.05.2017

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. 151816, EN 1634-1, timer, single leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

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: 26.07.2006

Test report issued by: Warringtonfire

Classification: EI 2 58min.

Width of primary leaf: 928mm

Width of secondary leaf: --

Door leaf height: 2036mm

Door thickness: 54mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. 148869, EN 1634-1, timer, double leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

Remarks: --

## **Test evidence**

Material of door set: timber

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

Type of door set: hinged, double leaf door set

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 01.02.2006

Test report issued by: Warringtonfire

Classification: EI 2 72min.

Width of primary leaf: 926mm

Width of secondary leaf: 926mm

Door leaf height: 2037mm

Door thickness: 55mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. 148383, EN 1634-1, steel, double leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500 (PHA 2510 TRS, 2105, 2140, 2520 TRS, 2141, 2195, 2120)

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

Remarks: --

## **Test evidence**

Material of door set: steel

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

Type of door set: hinged, double leaf door set

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 27.10.2005

Test report issued by: Warringtonfire

Classification: E 240min.

Width of primary leaf: 1074mm

Width of secondary leaf: 1074mm

Door leaf height: 2390mm

Door thickness: 45mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx

# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. 141929, EN 1634-1, timber, single leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

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: 05.10.2004

Test report issued by: Warringtonfire

Classification: EI 2 52min.

Width of primary leaf: 925mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 52mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx



# EN 16035 Hardware Performance Sheet (HPS)

PHA 2500

**Test report no. DMT-DO-51-149, EN 1191, timber, double leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: PHA 2500

Type of building hardware: Panic exit devices operated by a horizontal bar

EN building hardware product standard(s): EN 1125

Classification(s): 3 | 7 | 7 | B | 1 | 1 | 3 | 2 | 2 | A | B

Main dimensions [mm]: --

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: Surface mounted

Type of door set: hinged, double leaf door set

## **Performance level(s)**

Performance: Durability and selfclosing

Test method: EN 1191

Date: 22.08.2017

Test report issued by: DMT Lathen

Classification: 400 000 test cycles

Width of primary leaf: 1300mm

Width of secondary leaf: 1300mm

Door leaf height: 2650mm

Door thickness: 105mm

Mass of primary leaf: 278Kg

Mass of secondary leaf: 205Kg

Restrictions: --

Installation Instructions: --

20180118\_HPS\_PHA\_2500\_EN.docx