

# Product Passport

Door system in accordance with  
EN14 351-1 +A1 and EN16034.

Purso Oy

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System	<b>P94 fire doors</b>
Product line	Thermally insulated outward opening door and double leaf door
Materials	Aluminium: EN-AW 6063 T5 Thermal breaks: polyamide Gasket: EPDM
Surface treatment	Anodizing Powder coating
Glass/ infill panel	Thickness 60–64 mm
Frame depth	94 mm
Frame width	75–95 mm

Product standard (hEN):

EN14 351-1:2006+A1:2010  
EN13 501-2:2016

Test reports:

EUF129-23000457-T1

EUF129-20006180-T2

EUF129-20006180-T3

EUF129-21001197-T1

EUF129-21003190-T1

EUF129-21003190-T2

EUF129-23000270-T3

EUF129-23000270-T2

## Properties/ class \*)

Resistance to fire (E / EI)	Smoke leakage (S)	Self-closing (C)	Resistance to wind load	Water tightness
<b>EI<sub>2</sub>30</b>	npd	npd	<b>C4</b>	<b>2A</b> ***)
Dangerous substances	Impact resistance	Load-bearing capacity of safety devices	Height	Ability to release
npd	npd	npd	**)	npd
Acoustic performance R <sub>w</sub> (C; C <sub>tr</sub> )	Thermal transmittance (U <sub>D</sub> )	Radiation properties (g <sub>D</sub> / T <sub>v</sub> )	Air permeability	
npd	≥ 1,0 W/m <sup>2</sup> K **)	**)	<b>4</b>	

Classification report:

EUF129-21004260-T1

\*) Only tested/ calculated maximum values of

\*\*) Declared value according to project

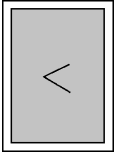
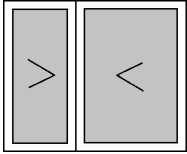
\*\*\*) With surface mounted hinges

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## Overview of system characteristics:

Ref.No. for hEN-standard	Name:	P94 door			P94 double leaf door		
	Description:	 Thermally insulated simple leaf door			 Thermally insulated double leaf door		
-	Resistance to fire (E / EI)	<b>EI<sub>2</sub>30</b>			<b>EI<sub>2</sub>30</b>		
-	Smoke leakage (S)	npd			npd		
-	Self-closing (C)	npd			npd		
4.2	Resistance to wind load <sup>1)</sup>	<b>C4</b>			npd		
4.5	Water tightness <sup>2)</sup>	<b>2A</b>			npd		
4.6	Dangerous substances	npd			npd		
4.7	Impact resistance	npd			npd		
4.8	Load-bearing capacity of safety devices <sup>1)</sup>	npd			npd		
4.9.1	Height of door leaf <sup>3)</sup>	<b>*1826–2800</b>			<b>*1601–2434</b>		
4.9.2	Height of frame <sup>3)</sup>	<b>*1875–2875</b>			<b>*1665–2500</b>		
4.9.3	Width of door leaf <sup>3)</sup>	<b>569–1309</b>			Active 542-1204 Passive 262-1204		
4.10	Ability to release	npd			npd		
4.11	Acoustic transmittance <sup>2)3)</sup>	R <sub>w</sub> npd	R <sub>w</sub> +C npd	R <sub>w</sub> +C <sub>tr</sub> npd	R <sub>w</sub> npd	R <sub>w</sub> +C npd	R <sub>w</sub> +C <sub>tr</sub> npd
4.12	Thermal transmittance <sup>3)</sup> (U <sub>D</sub> )	<b>≥ 1,0 W/m<sup>2</sup>K</b>			<b>≥ 1,1 W/m<sup>2</sup>K</b>		
4.13	Radiation transmittance <sup>3)</sup> (g <sub>D</sub> / τ <sub>v</sub> )	3)			3)		
4.14	Air permeability <sup>2)</sup>	<b>4</b>			npd		

### OBS!

<sup>1)</sup> Element size: single leaf door ≤ 2,1 m<sup>2</sup>

<sup>2)</sup> Element size: single leaf door ≤ 3,1 m<sup>2</sup>

<sup>3)</sup> Values according to project are declared separately

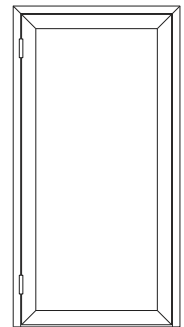
\*For permitted dimensions of the P94 door leaf and frame, refer to the back page.

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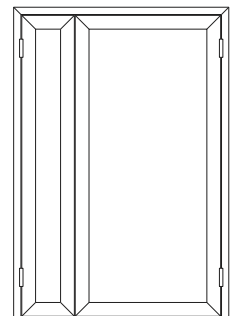
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**P94 U<sub>D</sub>** -values for standard size door:

1-leaf door/ 1-lehtinen ovi		(1230 x 2180)		Glass U <sub>g</sub> -value Lasin U <sub>g</sub> -arvo	W/m <sup>2</sup> K
				0,5	
IGU spacer/ Eristyslasin välilista		Linear thermal transmittance $\psi_g$ / Lisäkonduktanssi $\psi_g$		<b>Door U<sub>D</sub>-value</b> <b>Oven U<sub>D</sub>-arvo</b>	<b>W/m<sup>2</sup>K</b>
TPS		0,038	W/mK	1,0	
RST	t=0.18	0,066	W/mK	1,1	
Aluminium/ Alumiini	t=0.3	0,106	W/mK	1,2	



2-leaf door/ 2-lehtinen ovi		(2000 x 2180)		Glass U <sub>g</sub> -value Lasin U <sub>g</sub> -arvo	W/m <sup>2</sup> K
				0,5	
IGU spacer/ Eristyslasin välilista		Linear thermal transmittance $\psi_g$ / Lisäkonduktanssi $\psi_g$		<b>Door U<sub>D</sub>-value</b> <b>Oven U<sub>D</sub>-arvo</b>	<b>W/m<sup>2</sup>K</b>
TPS		0,038	W/mK	1,1	
RST	t=0.18	0,066	W/mK	1,1	
Aluminium/ Alumiini	t=0.3	0,106	W/mK	1,2	



\*IGU= Insulating Glass Unit

Tabulated U<sub>D</sub> -values can be used for single leaf door (1230x 2180 mm) when the door size ≤ 3,6 m<sup>2</sup>.

Tabulated U<sub>D</sub> -values can be used for double leaf door (2000x 2180 mm) when the door size > 3,6 m<sup>2</sup>.

Specific values according to projects are declared separately.

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## Permitted size variations for P94 door leaf and frame:

Single leaf door						
Fire resistance classification EI <sub>2</sub> 30				Fire resistance classification E45		
	Width (mm)	Height (mm)	Max area (m <sup>2</sup> )		Width (mm)	Height (mm)
Frame	625...1438	1875...2875	3,75	Frame	625...1250	1865...2500
Door leaf	569...1309	1826...2800	3,32	Door leaf	569...1138	1826...2434

Double leaf door						
Fire resistance classification EI <sub>2</sub> 30			Fire resistance classification EI <sub>1</sub> 20, E30			
	Width (mm)	Height (mm)		Width (mm)	Height (mm)	Max area (m <sup>2</sup> )
Frame	850...2500	1665...2500	Frame	850...2875	1665...2875	7,5
Main door	542...1204	1601...2434	Main door	542...1308	1601...2800	2,93
Slave door	262...1204	1601...2434	Slave door	262...1308	1601...2800	2,93