

HORIZONT PS®



Horizont PS penta plus

Plastic windows and balcony door made of seven-chamber profile system HORIZONT PS penta plus. Windows and balcony doors are intended for use in residential and non-residential buildings, which are not subject to fire-resistance and smoke-tightness requirements.



Seven-chamber plastic windows: HORIZONT PS penta plus

Frame construction width: 75 mm

Leaf construction width: 80 mm

Wall thickness of main profiles according to EN 12 608:
min. 2.8 mm, class A

Heat transfer of frame assembly: $U_f = 1.08 \text{ W}/(\text{m}^2\cdot\text{K})$



Achievable heat transfer of the window:
 $U_w = 0,83 - 0,63 \text{ W}/(\text{m}^2\cdot\text{K})$



Possibility of glazing:
Insulating glass and fillings with $U_g = 1,1 - 0,3 \text{ W}/(\text{m}^2\cdot\text{K})$

Possible noise-protection properties of glass:
 $R_w = 36 - 46 \text{ dB}$



Lead-free mixture of PRO Nature Profiles.
*Basic sections are listed on the following sheet.

Profile system that provides excellent thermal insulation and with the appropriate glazing meets even the most challenging requirements.

Horizont PS penta plus
Product data sheet



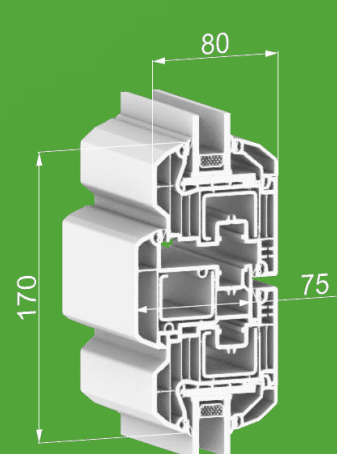
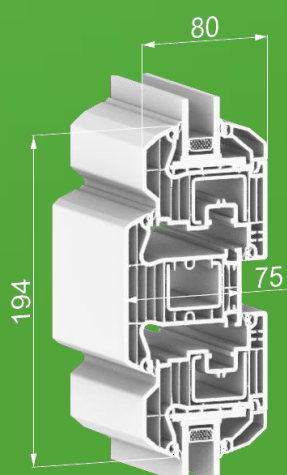
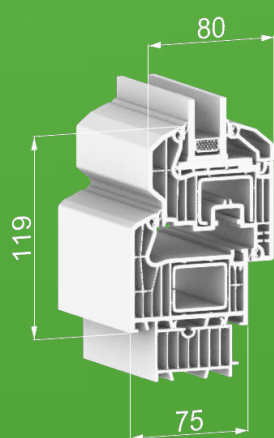
HORIZONT PS

plastic profile system for the production of windows and doors
manufactures and supplies: PRAMOS, a.s. Brněnská 577, 691 76 Šitbořice, Czech Republic
e-mail: info@horizontps.cz, www.horizontps.com

Technical specifications

Window assembly

Frame construction depth	75 mm
Leaf construction depth	80 mm
Number of sealing planes	2
Number of chambers in the frame	7
Number of chambers in the leaf	7
Maximum glazing thickness	44 mm
Wall thickness	min. 2,8 mm, class A
Frame heat transfer coefficient	$U_f = 1,08 \text{ W}/(\text{m}^2.\text{K})$
Glazing heat transfer coefficient	$U_g = 0,60 \text{ W}/(\text{m}^2.\text{K})$
Direct air sound insulation	$R_w = 41 \text{ dB}$
Window heat transfer coefficient	$U_w = 0,83 \text{ W}/(\text{m}^2.\text{K})$
Glazing heat transfer coefficient	$U_g = 0,70 \text{ W}/(\text{m}^2.\text{K})$
Direct air sound insulation	$R_w = 46 \text{ dB}$
Window heat transfer coefficient	$U_w = 0,9 \text{ W}/(\text{m}^2.\text{K})$
Glazing heat transfer coefficient – Heat Mirror	$U_g = 0,30 \text{ W}/(\text{m}^2.\text{K})$
Direct air sound insulation	$R_w = 35 \text{ dB}$
Window heat transfer coefficient	$U_w = 0,63 \text{ W}/(\text{m}^2.\text{K})$



Colour options

Standard colours

Golden oak

Dark oak

Anthracite
Gray

Walnut

Cherry



Non-standard colours

Chocolate

Sapeli

Alux DB 703

Gray

Aluminium

Sheffield
Oak light



Basalt Gray

Smooth
anthracite

Winchester
XA

Turner oak
malt

Turner oak
toffee



Colours to order

Dark red

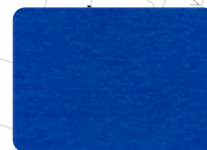
Douglas

Light oak

Natural oak

Dark blue

Dark green



Moss green

Walnuss
curcuma

Creamy
white

Siena PR

