

"My mum dreams of a house with colorful windows."

## Perfect quality window profiles are also an excellent thermal insulation!



VEKA has over 40 years of experience. It is leading in the world manufacturer of PVC window profiles and supplier of made of plastics profile systems for windows, doors and shutters producers. One of a kind, extensive world of VEKA profiles has a solution for any circumstance - no matter whether it is a new construction or renovation, commercial or residential facility in the standard of a passive house. Huge variety of design variants, colors and combinations creates almost unlimited design possibilities.

### technology in a profile

VEKA profile systems already in their standard versions achieve excellent heat transfer  $U_f$  coefficients for frame and sash profiles. In combination with modern glazing, they ensure the best  $U_w$  values for the whole window.



VEKA profiles that have great insulating properties form the basis for the production of perfect windows, and allow to lower heating costs and CO2 emissions to the atmosphere.

However, the focus of the company is an uncompromising attention to excellent quality. Therefore, VEKA profiles generally achieve the highest German quality standard: Class A (DIN EN 12608).

## Coextruded profile in a full range of colors

VEKA profile systems have a wide range of colors and finishes\*, that is why windows made of them blend in perfectly with any facade and any architectural system. VEKA Poland offers finishes with a structure that imitates wood, aluminum and a color palette with gloss and matte colors.



We offer PERFECTLINE profile systems produced in coextrusion. Then the profile that is laminated is produced in two colors. The veneer is applied to a colored part of the profile. Such a solution makes that possible mechanical damage which may arise over the years of use of the windows is not visible.

## Doors, blinds and windowsills from the same hand

Profiles for entrance doors, balcony doors and sliding-tilt doors are available as part of the PERFECTLINE system. As a complement to the system We recommend VEKA shutter systems additionally protecting against sun, cold, noise and uninvited guests. An elegant and durable window finish from the inside are VEKA windowsills made of PVC.



\* Between the exposed samples and the original window foil there may be differences visible in color shades resulting from imitating them on non-original material.

## Windows manufacturer in the VEKA system will advise well

Building and renovating require trust. You must have a contractor you can rely on. As a partner of VEKA company, we will be involved in your solution of problems regarding

windows and doors and we will provide competent advice. You can count on our professionalism and top-class window technology

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BR-PERFECTLINE-6/2015-PL

# PERFECTLINE



only VEKA

ONLY CLASS A

## Perfect system of window profiles without lead stabilizers



Made in Technology



"PERFECTLINE profiles are extruded only on calcium-zinc stabilizers. Therefore, they do not contain lead stabilizers"

## If it is perfect, then it has the RAL mark and is classified as the highest class RAL A

Like all VEKA\* profiles, also PERFECTLINE is classified - in accordance with PN-EN 12608 - to the top-class A profiles. Customer buying windows in this system is certain that the external walls of the profile are 3 mm thick (with a tolerance of 0.2 mm). This parameter is at the basis of i.a. perfect thermal and acoustic insulation, high stability, secure installation of fittings and high resistance to burglary. Class A is the highest RAL class. If the window seller says otherwise, demand specification of the standard (e.g. RAL A+ class does not exist).

## If it is perfect, then it is also ecological

Meeting the market trends generating the demand for lead-free profiles, the PERFECTLINE system is produced only on calcium-zinc stabilizers. It means the elimination of lead stabilizers.

## If it is perfect, then it is complexed

PERFECTLINE includes not only window profiles, but also specialized profiles for balcony, entrance and sliding-tilt doors. It creates opportunities to enrich it with complementary profiles from other VEKA systems, for example SOFTLINE 70AD. It stands out with exceptional complexity.



## If it is perfect, then it is various in design

PERFECTLINE are sashes with slanted edges and slightly or strongly rounded; 55 colors, including matt, wood-like and metal imitating veneers. What other profile system also provides a wide range of design variants?

\* excluding profiles for economic windows (unheated rooms or with an inside temperature <math>\le 8^\circ\text{C}</math>); in accordance with the regulation of the Infrastructure Minister (Journal of Laws of 13 August 2013, item 926)

# PERFECTLINE

**1** Fully 5-chamber system (5 chambers in the frame profile and 5 chambers in the sash profile) with the installation depth (i.e. frame width) 70 mm, providing thermal protection at a very high level. When applying the pane packet with a warm frame with  $U_g = 1.0$  we will achieve a heat transfer coefficient  $U_w = 1.2 \text{ W / m}^2\text{K}$  for the entire window, while with  $U_g = 1.1$ , the value  $U_w$  is at 1.3. When using glazing with a lower  $U_g$  coefficient, it is possible to achieve  $U_w < 1.0 \text{ W / m}^2\text{K}$ . (Data according to DIN-EN 10077, "U" values refer to windows with dimensions 1230 x 1480 mm, i.e. the surface at 1.82 m<sup>2</sup>).

**2a** Possibility to use glazing with a thickness from 6 to 42 mm without the need for additional profiles.

**2b** Possibility to use glazing up to 49 mm

**3** The thickness of the outer walls of the profile is 3 mm (with a tolerance of 0.2 mm), i.e. the parameter that meets the highest RAL standards - "Class A" (PN-EN 12608).

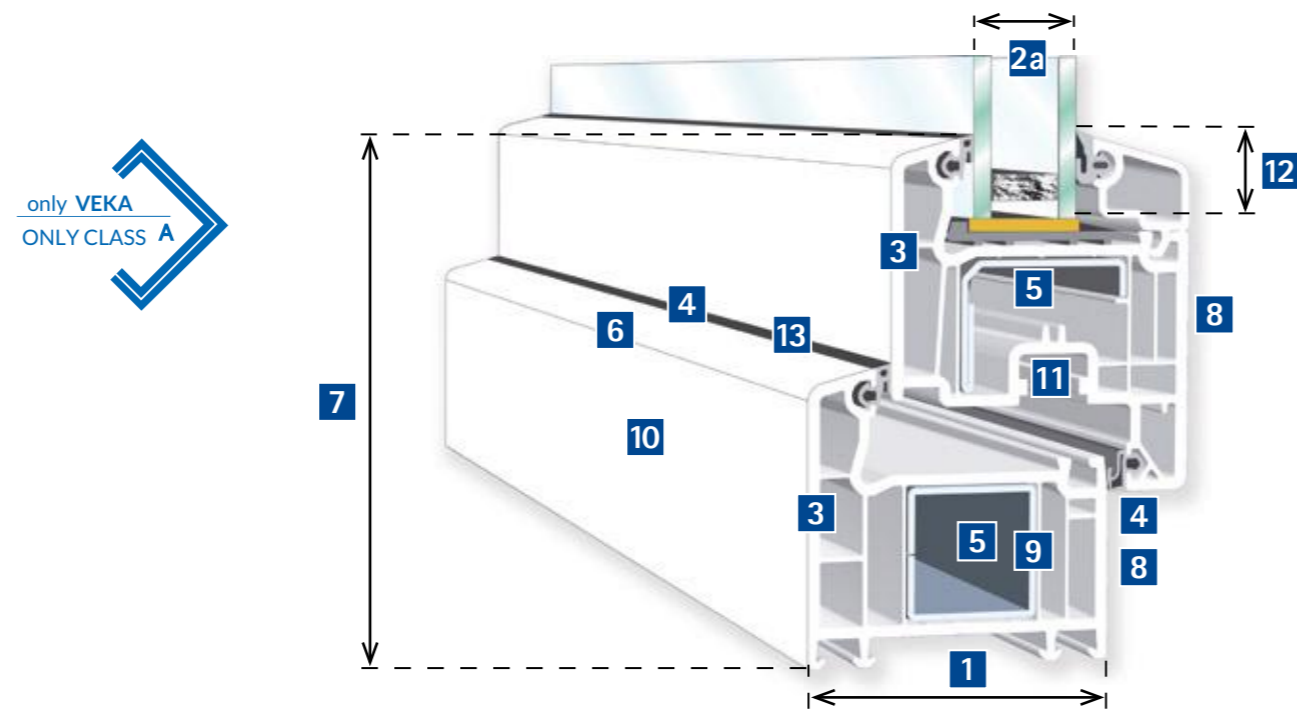
**4** The arrangement of two outer gaskets ensures a very good tightness, sound insulation and heat insulation. Gasket surfaces oriented with a slope 15 degrees (the same as the profiles) - they allow excellent drainage of water and pollutants.

**5** Proven for decades and recommendable VEKA steel reinforcements that ensure excellent statics, long-term maintenance of the window function and anti-burglar safety. The frame has a chamber with a closed steel reinforcement, and in the sash - with double folded open reinforcement. (unique solution in window technology). Possibility to build sashes up to 1500 mm wide without additional security.



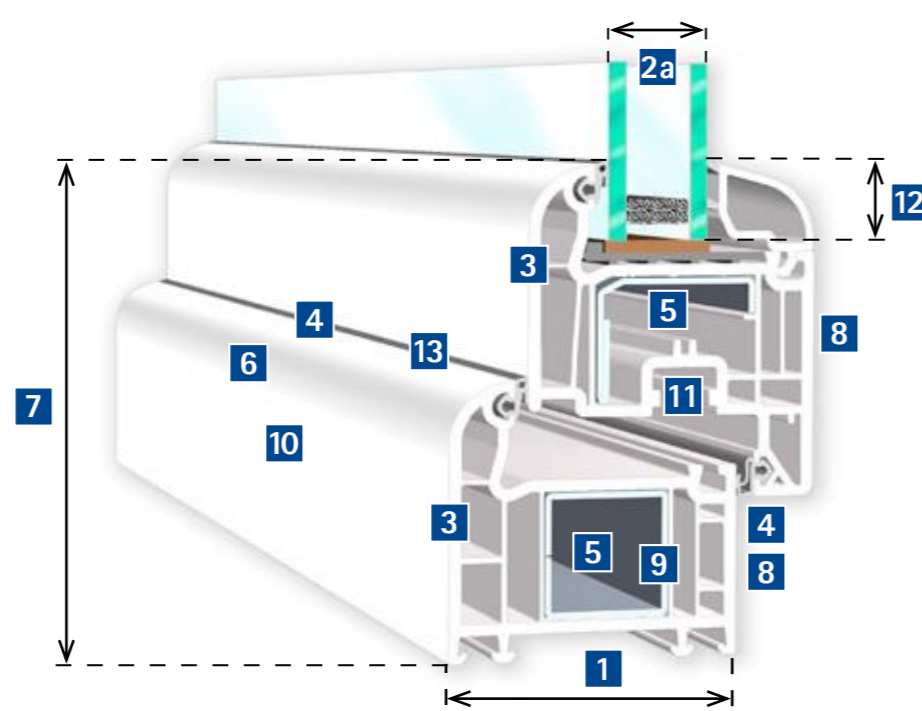
## Standard variant

not flushed sash with the frame, slightly rounded edges of the sash and frame, uniform finish inside and outside (white)



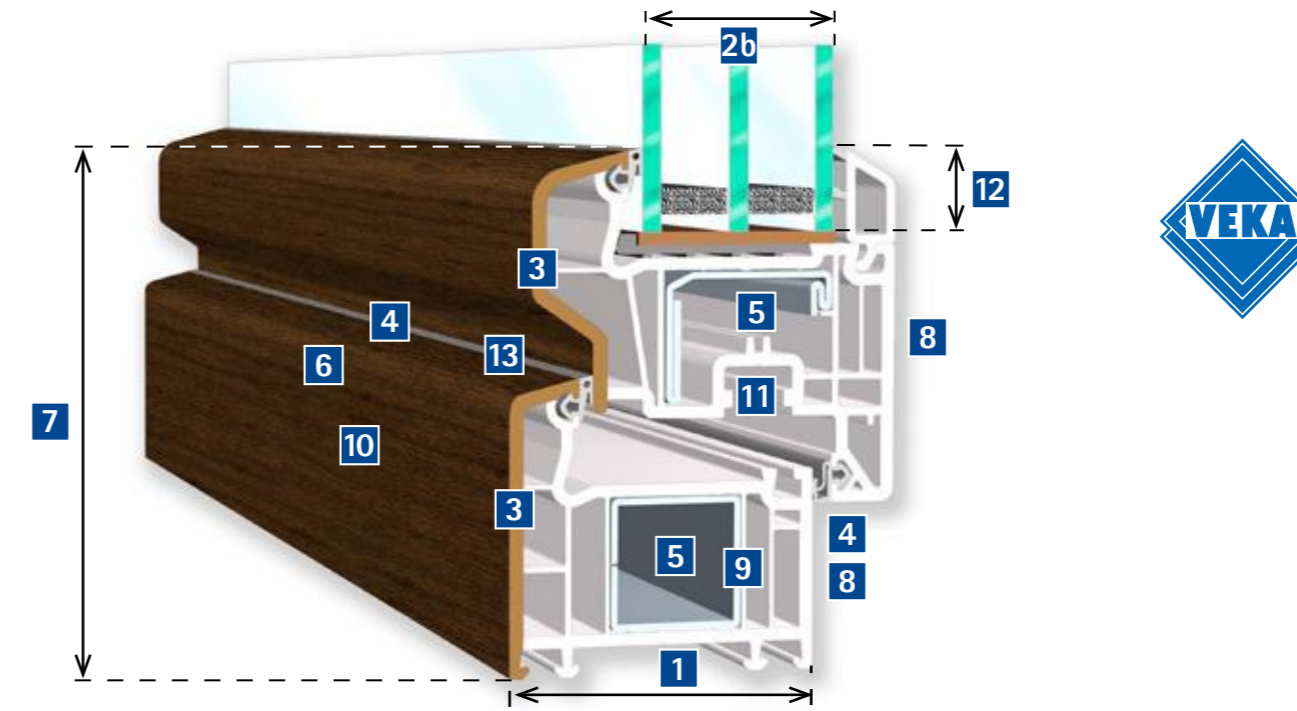
## "Swing" variant

not flushed sash with the frame, strongly rounded edges of sash and frame, uniform finish from the outside and inside (white)



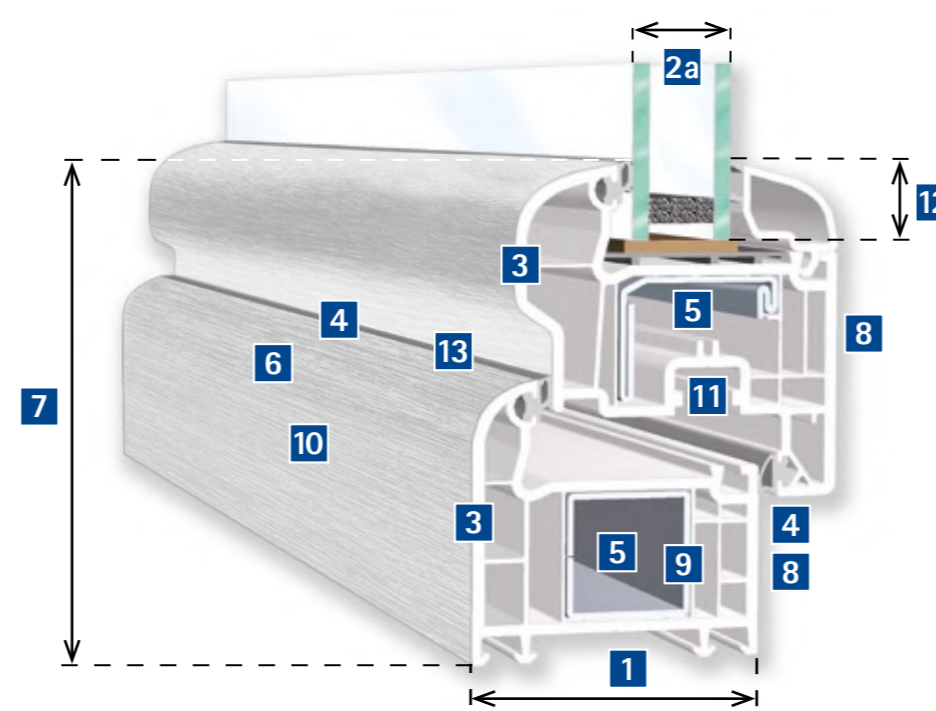
## Thermal variant

half-flushed sash for replacement of the glazing up to 49 mm; different execution from the outside and inside (swamp oak and white) on a coextruded profile



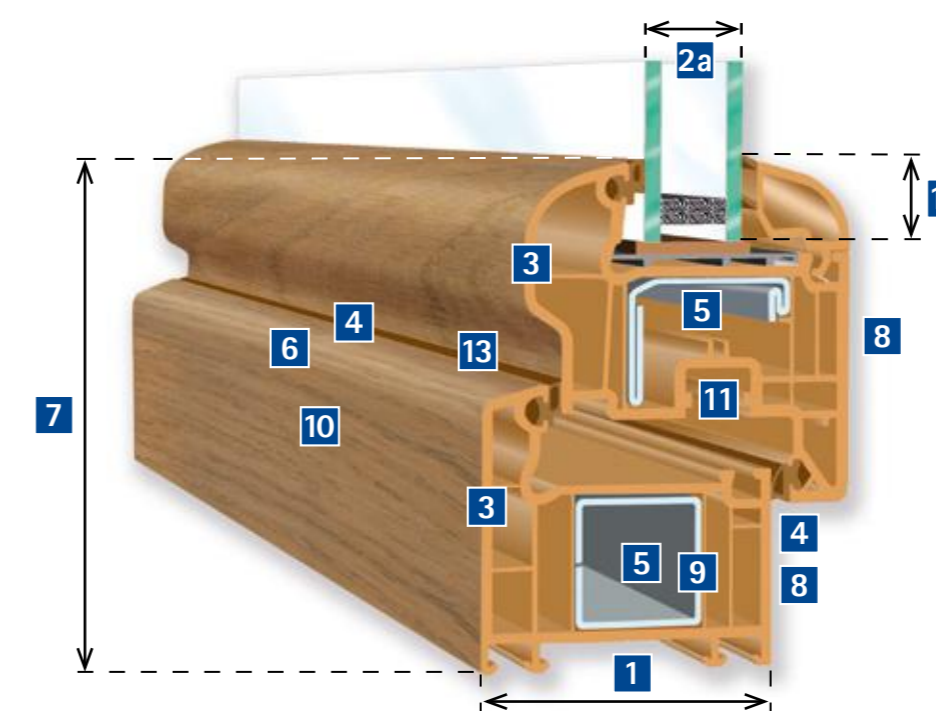
## "Swing" variant

half-flushed sash with the frame, strongly rounded edges of sash and frame, uniform finish from the outside and inside (white)



## „Oval" variant

half-flushed sash with the frame, strongly rounded edge of the sash and slightly rounded frame edge, uniform finish inside and outside (winchester)



# PERFECTLINE

**6** Design with classic optics and balanced proportions. Toned, neutral appearance and outer contours fit practically any facade. Profiles are suitable for bending arches. The possibility of using one of the three types of muntin bars: internal, external, glued or dividing the window structure.

**7** The low total side height of the sash and frame profiles of only 118 mm provides a larger glass surface and perfect interior lighting.

**8** Safe installation of fittings in the sash and frame through several profile walls, including anti-burglar fittings

**9** Additional installation of fittings and mounting of load-bearing elements to the steel reinforcement which have a closed section are possible

**10** Smooth, easy to care for and maintenance-free surfaces of profiles made of high-quality PVC - 100% recyclable material.

**11** The 13-millimeter axis of the fitting notch provides a solid protection against breaking or removing the window.

**12** Securely attached pane in the profile to a depth of 21 mm limits the condensation of steam on the glass and makes the window more difficult to force by unwanted guests.

**13** Gaskets in black, gray or caramel colors - matched to the profile finish - they increase the aesthetics of the windows.

**14** With the use of appropriate glazing, the system allows meeting the conditions for the 6th class of acoustic insulation, i.e. suppression of noise up to 50 dB (e.g. road fast traffic with the intensity of up to 5,000 vehicles / hour).



An excellent multi-chamber system allows to achieve a high coefficient of heat transfer for the window.

$U_w = 1.1 \text{ W / m}^2\text{K}$ .

6 10



PERFECTLINE is a top class window system of the highest RAL A class, and at the same time the most popular VEKA profile in Poland.

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