

The VEKA system with a classic design and modern features

SOFTLINE 76



The Quality Profile
★★★★★

SOFTLINE 76

Better value – for every need

The demands being made on windows today are higher than ever before and will continue to rise in the future. Functional glazing for improved sound insulation and enhanced safety as well as triple glazing for increased thermal insulation require glass thicknesses that push conventional 70 mm systems to their limits.

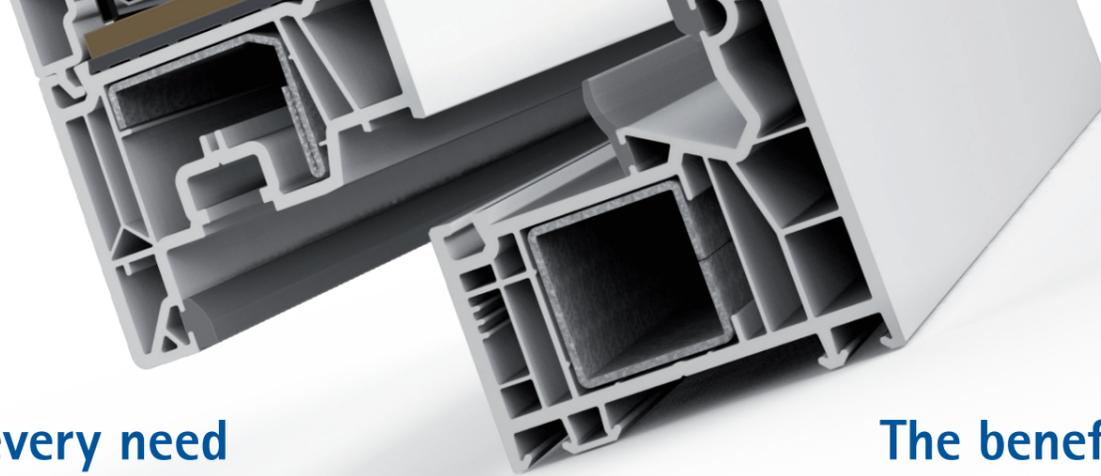
At the same time, the market demands rational and economical solutions which, for example, reduce the complexity of the production sequence and allow a flexible response to wide-ranging requirements. Accordingly, we are expanding our platform strategy and, with the new profile system SOFTLINE 76, are offering a highly compatible system that creates a bridge between the installation depths of 70 and 82 mm.

SOFTLINE 76 enables many processing benefits as well as higher productivity due to the use of a variety of universal ancillary profiles and a large number of components from the SOFTLINE 82 system. This leads to high economic efficiency and optimised warehousing, making it possible to open up additional market segments. And all of this in the usual VEKA Class A quality (as per DIN EN 12608) for safe and trouble-free window production.



The benefits at a glance:

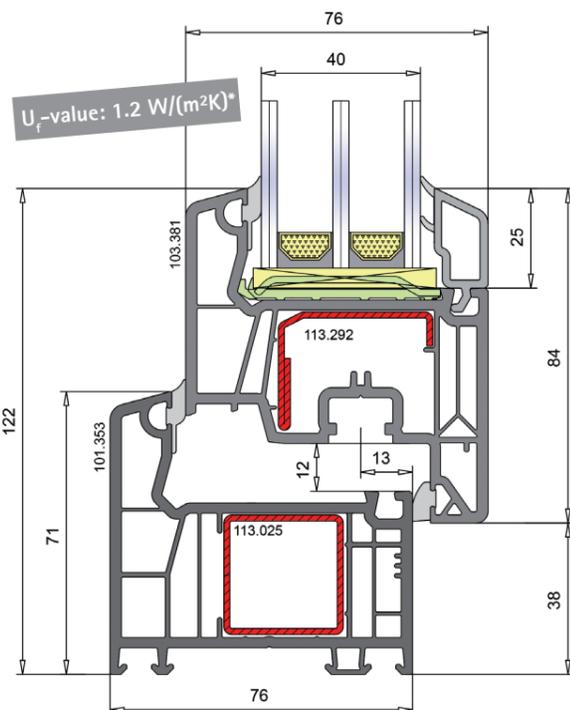
- VEKA platform strategy for efficient production with known system parameters and optimised warehousing due to high compatibility with SOFTLINE 82
- Broad glazing spectrum for triple glazing of up to 48 mm, using the same glazing beads as SOFTLINE 82
- Efficiency and stability using tried-and-tested steel reinforcements from the SOFTLINE 82 system for reduced warehousing and optimised production processes
- Proven combination system: rebate and centre seal systems with only one sash profile
- Universal installation depth: ideal for new buildings and perfect for renovation projects focusing on energy conservation
- Current and future thermal-insulation requirements can be met easily
- Security in both the workmanship and application thanks to top VEKA quality (Class A as per DIN EN 12608)
- Numerous design options with more than 50 decorative films, exterior aluminium covers and also the new surface finish VEKA SPECTRAL
- Sustainability: practically 100% recyclable



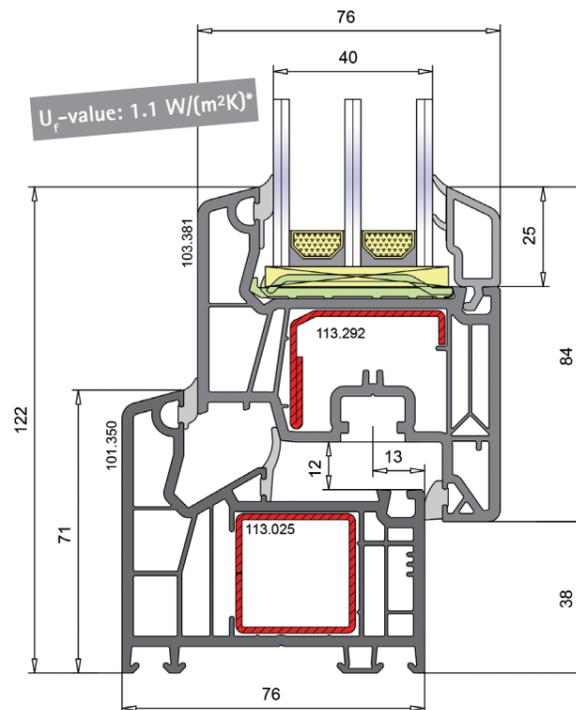
The VEKA system for greater efficiency in new buildings and refurbishments



SOFTLINE 76^{AD}



SOFTLINE 76^{MD}



System characteristics

- Installation depth: 76 mm
- Visible surfaces: 122 mm
- Multi-chamber system
- Combination system (AD and MD on a single platform)
- Glass penetration: 20 mm, glazing bead height: 25 mm, glass rebate height: 28 mm
- Glazing range: up to 48 mm
- Proven reinforcement and sealing concept

* applies for the standard sash window frame combination

Rational system

Rebate and centre seal systems with only one sash profile and high compatibility with 70 and 82 mm platforms and many universal ancillary profiles

Established steel reinforcements

Reduced warehousing costs by using the established reinforcements from the 82 mm platform

Secure load transfer and stability

Heavy triple glazing and functional windows made possible by the structural reinforcement of critical areas in the profile geometries

Fittings in accordance with DIN 18357

Quality- and system-tested fittings from all major manufacturers can be used

Centre rebate with drip edge

Rebate design energetically optimized in the centre region with increased impermeability and new drip course that guides condensation away from the seal

Broad glazing spectrum

Accommodates glazing of 18–48 mm for modern triple glazing and special functional panes

Deep glass penetration

Glass penetration of 20 mm reduces heat transfer

Classic SOFTLINE design

An elegant shape with slightly rounded edges for particularly narrow visible surfaces

Gasket system

2 or 3 gasket grooves in black or grey reliably keep out noise, cold, damp and draughts

Wall thickness

Top VEKA quality: Class A as per DIN EN 12608

Secure anchoring

Screwed joints through reinforced PVC-U walls and with additional screw cams



SOFTLINE 76 – thought out in every detail

Efficient insulation and a large glazing spectrum

With SOFTLINE 76, current and future thermal insulation requirements can be met easily.

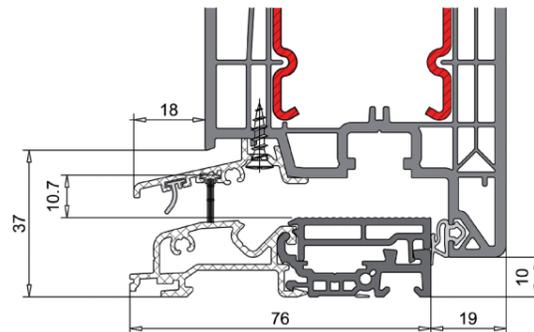
$U_f = 1.1 \text{ W/(m}^2\text{K)}^*$ – SOFTLINE 76 ^{MD}
 e.g. for a U_w -value of $0.89 \text{ W/(m}^2\text{K)}$
 [with glazing $U_g = 0.6 \text{ W/(m}^2\text{K)}$, $\psi_g = 0.050 \text{ W/(mK)}$]

$U_f = 1.2 \text{ W/(m}^2\text{K)}^*$ – SOFTLINE 76 ^{AD}
 e.g. for a U_w -value of $0.92 \text{ W/(m}^2\text{K)}$
 [with glazing $U_g = 0.6 \text{ W/(m}^2\text{K)}$, $\psi_g = 0.050 \text{ W/(mK)}$]

The glazing bead concept with 2 mm increments from 18 to 48 mm glass

thickness allows the flexible use of special functional glazing and modern triple glazing, in particular in today's most popular versions with glass thicknesses of 40 and 44 mm.

With the unified glazing bead height of 25 mm, this ensures a consistent look for casement as well as fixed glazing and the special seal geometries provide a colour-neutral appearance around the sash overlap and glazing bead. In addition, the glass penetration depth of 20 mm reduces heat transfer.



The new process-optimised weatherboard is compatible with SOFTLINE 76 and SOFTLINE 82 and satisfies even the highest seal requirements in combination with the barrier-free threshold

Increased compatibility for less complexity

SOFTLINE 76 offers high compatibility with the 82 mm platform and allows the use of numerous time-proven ancillary profiles including the respective steel reinforcements – for greater warehousing efficiency.

- Reduced warehousing and optimised manufacturing processes in the area of glazing bead cutting due to the use of glazing beads from the SOFTLINE 82 system

- Reduced warehousing and optimised manufacturing processes also in the area of steel cutting thanks to the use of established VEKA reinforcements similar to SOFTLINE 82
- Use of a variety of cross-system ancillary profiles including the respective steel reinforcements
- Same sash in the AD and MD systems and identical steel reinforcements for both variants

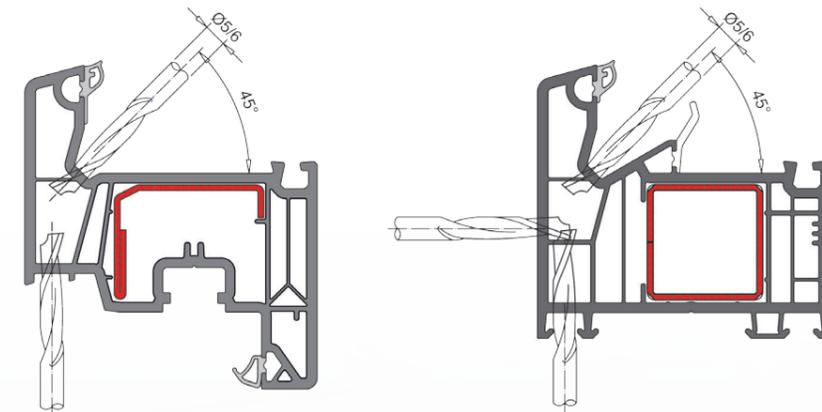
* applies for the standard sash window frame combination

Economical processing

With SOFTLINE 76, window manufacturers benefit from highly efficient processing thanks to the practical design details with known system parameters:

- Identical milling and drilling as SOFTLINE 82 for a reduction in set-up and lead times in production
- Improved productivity due to the use of universal ancillary profiles

- New system-specific ancillary profiles with optimised clipping for easy and quick installation and an integrated seal with sealing lips
- Unique VEKA quality with wall thicknesses as per Class A (DIN EN 12608)
- Heavy triple glazing and functional glazing variants are no problem thanks to the structural reinforcement of critical areas in the profile geometries



Maximum manufacturing efficiency, for instance, by using the same milling settings for the rebate drainage in frames and sashes and by opening all exterior chambers with standard milling

The 76 mm system for new buildings and refurbishments

Thanks to its basic installation depth of 76 mm, SOFTLINE 76 is the ideal system for all requirements in the new construction and refurbishment sectors. As a complete, highly compatible system

produced in VEKA Class A quality, it offers economical and reliable processing, while its recyclability also ensures environmental sustainability – truly a profile system for the future.

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