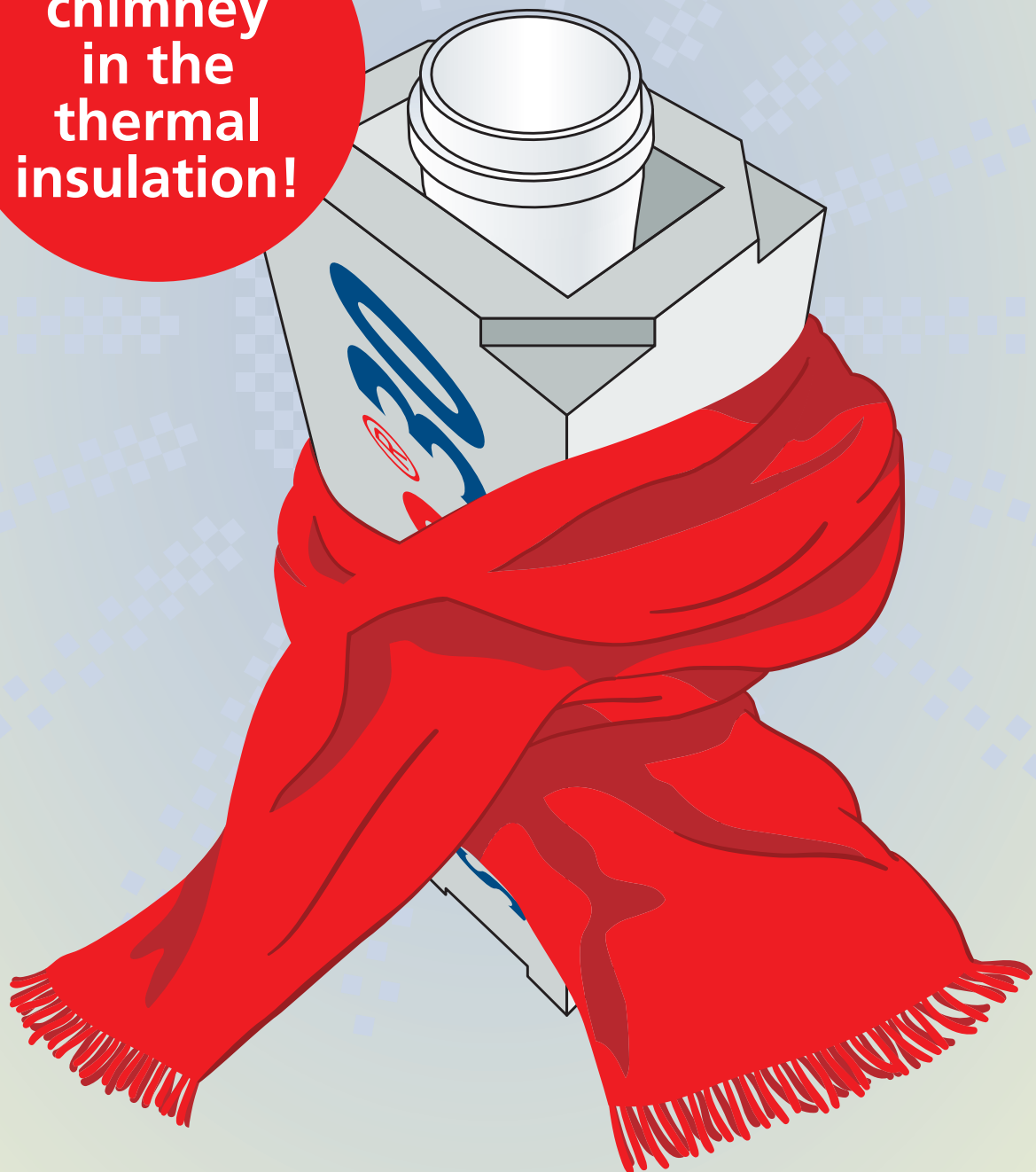


SKOBIFIX[®] WDVS

The shaft system,
that disappears into the façade

Hide the
chimney
in the
thermal
insulation!

Perfect for energetic
old-building renovation



If you „wrap-up“ your house...

THE INNOVATION

In case of the refurbishment of old buildings, the energetic restoration is meanwhile standard. In most cases, the insulation of the exterior facade is just as much a part of it as the installation of a new heating system. The SKOBIFIX® shaft system for condensing boilers represents for this purpose the perfect connection.

JUST HIDE THE NEW CHIMNEY IN THE THERMAL INSULATION!

SKOBIFIX® WDVS can be installed on the outside of the facade and „disappears“ because of its extremely small sizes completely in the insulation. This offers the building owners even more living space and unprecedented freedom of planning.

For example, the installation location of the new heating system is no longer dependent on the existing chimney. The old brick chimney can now e.g. be used for a fireplace.

Compared to the installation of a new shaft in the building, the effort for ceiling breakthroughs is omitted. Additionally: Since the shaft is integrated into the thermal insulation, the appearance of the facade is not affected by external pipe systems.

The innovation has been comprehensively audited. Temperature calculations of the facade show that the shaft almost doesn't affect the continuous thermal insulation, because the material of the shaft elements, the foam ceramic, has excellent insulating characteristics.

THE SYSTEM

The SKOBIFIX® WDVS shaft elements are made of foam ceramic, a durable material that is extremely light and can be easily processed with standard tools.

The shaft elements encase the exhaust pipe out of polypropylene and provide the necessary insulation and at the same time fire protection. The ring gap between the shaft element and the exhaust pipe is used to supply the combustion air.

Sustainable thanks to **removable exhaust pipe**: In the SKOBIFIX® WDVS shaft system, the exhaust pipe is installed with spacers longitudinally movable. This allows the exhaust pipe to be replaced in case of any problem without destroying the facade and shaft.

The elements are simply „plugged“ together with a **tongue and groove construction** and glued together with SKOBIFIX® system mortar.

The shaft is based on **two angle brackets**. The shaft elements are attached to the house wall with special support brackets. The attachment system is statically tested and patented.

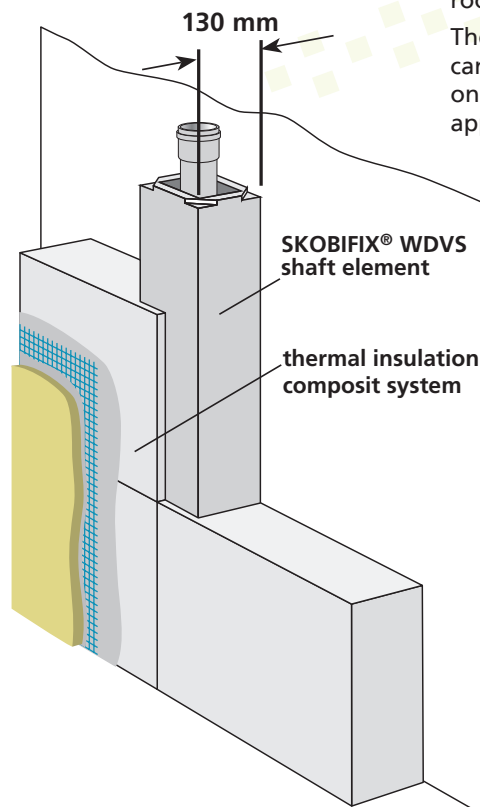
With its small dimensions, the SKOBIFIX® shaft for condensing boilers is fully integrated into the external thermal insulation.

The **patented connection element** ensures the connection between the condensing boiler and the shaft. Time-consuming costly elbows and ascenders can be omitted.

The exhaust pipe and the air supply in the ring gap can be easily checked by the **inspection opening** in the room, the boiler is installed. Additional cleaning openings, roof hatches, stepping grates, standing areas, etc. can thus be eliminated.

The coaxial **roof duct** allows the outlet to be quickly made and integrated into the overhanging roof surface. The sealing is secured by a universal adjustable roof tile, which is available from 5° to 55° roof pitch or with a flat roof collar.

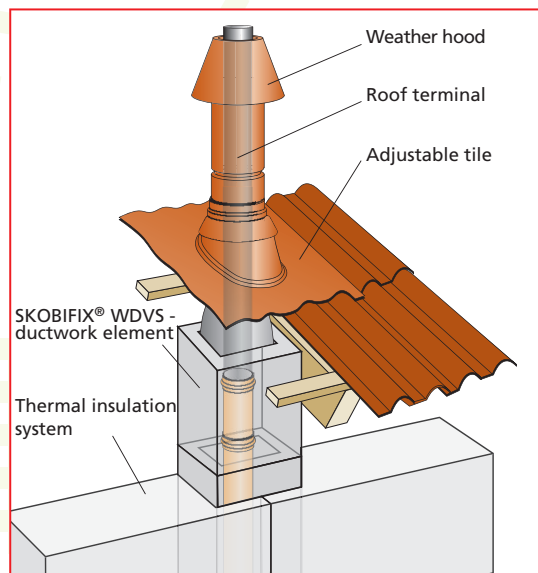
The system is extremely simple and can be easily and quickly installed on site. The pure assembly time is approx. 1-2 hours.



With a depth of only 130 mm (SKOBIFIX® WDVS nano 30) the exhaust system can be completely hidden in the external insulation.

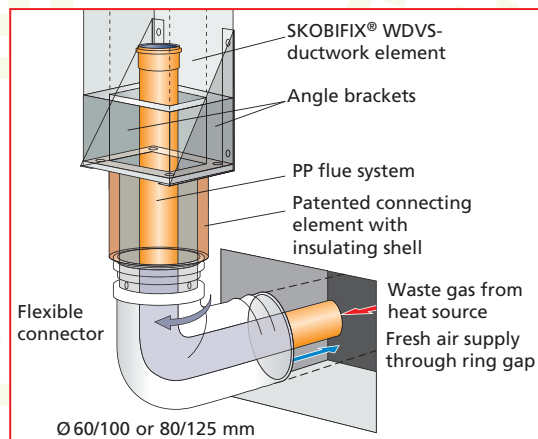
... the **SKOBIFIX®** WDVS shaft system for condensing boilers hidden in the thermal insulation composite system

Roof terminal

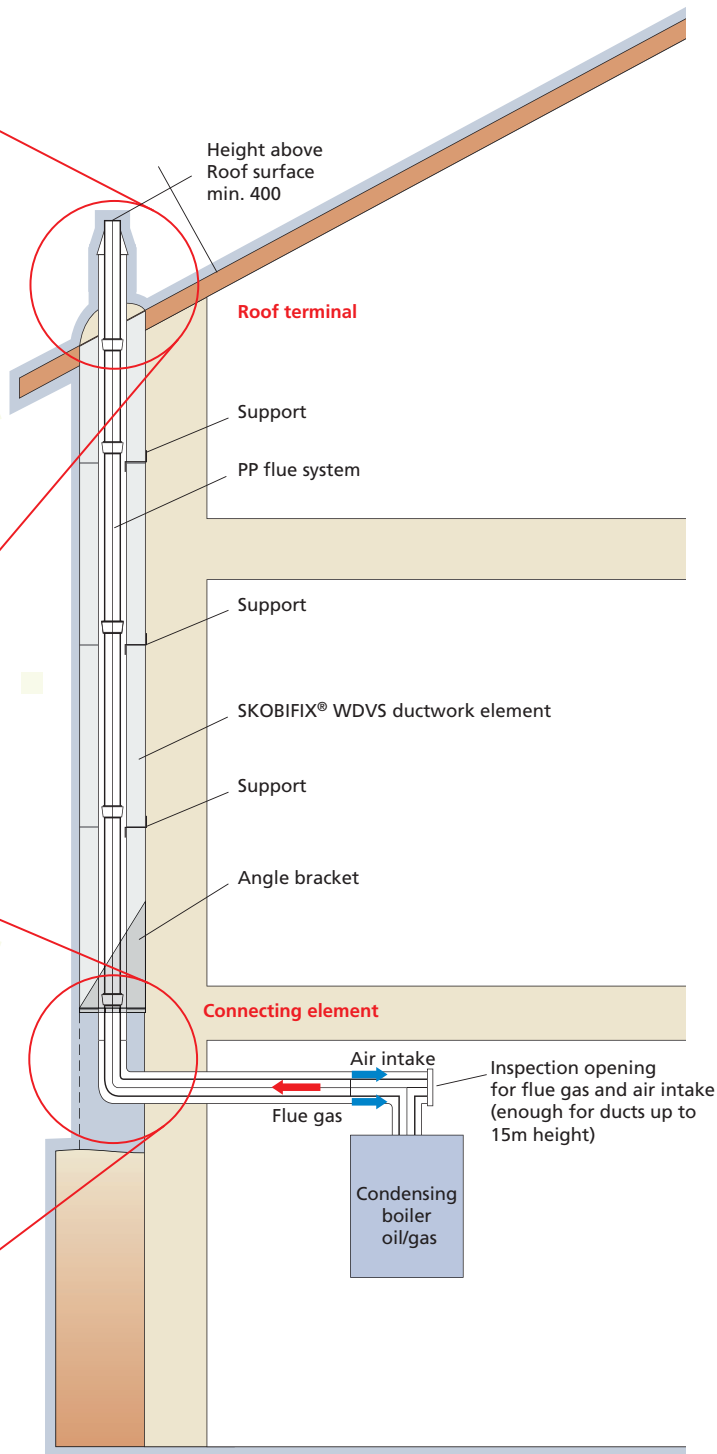


The roof terminal can be ordered in two lengths and three colours. The adjustable tile can be set-up with an inclination. That's how SKOBIFIX® WDVS can offer a unique solution for each roof.

Connecting element



The patented connecting element together with angle brackets offer structural support to the SKOBIFIX® WDVS duct elements. The connecting element makes the transition from block duct system to concentric flue section.



SKOBIFIX® WDVS - all advantages at a glance

type	outer dimensions length x width x height	flue pipe	weight per piece (kg)	fire resistance duration (min)	test certificate/ general technical approval
SKOBIFIX® WDVS nano 30	130 x 160 x 1,000 mm	PPs D 60	8,0	30	Z-7.2-3210
SKOBIFIX® WDVS XXS 30	150 x 200 x 1,000 mm	PPs D 80	10,0	30	Z-7.2-3210

Subject to technical modifications.

UNIVERSALLY APPLICABLE

- Disappears in the thermal insulation because of its minimal dimensions
- Applicable for oil and gas condensing operation up to a flue gas temperature of 120 °C
- Suitable for single dwellings as well as apartment houses (fire resistance duration 30 minutes)
- The universal system provides planning reliability up to app. 19 kW with SKOBIFIX WDVS nano 30 as well as up to app. 35 kW with SKOBIFIX WDVS XS 30 (calculation service from Skoberne)
- Generally technical approved and certified
- Sustainable due to removable exhaust gas pipe. This avoids high restoration costs and warranty problems.

FAST AND EASY TO ASSEMBLE

- Shaft element height 1,000 mm
- The shaft elements consist of geopolymer foam – possible weight saving up to 85 %
- Easy to handle on-site with standard tools
- No floor breakthroughs necessary
- Simple installation with angle brackets and wall supports (statically approved)
- Easy connection of the shaft elements with Skobifix system adhesive
- Easy implementation of the roof duct
- The installation takes about 2 hours for a single dwelling shaft

HANDED OVER BY:

Last amended April 2020. Item no. 791068 EN.



**The shaft for
condensing boilers in
the thermal insulation**