Energy efficiency.
Electrical installations for energy-efficient buildings.



KAISER
Member of KAISER GROUP



Energy efficient.
Smart installation systems.

Sustainable building technology today, in addition to meeting users' requirements regarding architecture and function, buildings must, above all, comply with very specific building regulations. These define, amongst other things, the energy standard. The aim is to reduce energy consumption through greater efficiency.

Through forward-looking planning, smart technology and suitable materials, previously untapped energy-saving potential can be realised – fully in line with the EU Directive on the energy performance of buildings and national regulations. Greater comfort at home and in the workplace, as well as potential savings, are positive side effects of this approach.

Innovative KAISER products help you to meet the increased requirements of EU directives and national regulations, in particular the Building Energy Act (GModG). This enables you to achieve the required air-tight building shell easily and reliably – for example, with **ECON® technology**, which is used in air-tight cavity wall and Flush-mounting installation boxes and recessed housings.

We also stock suitable products for installation and fixing to ensure a **thermal bridge-free electrical** installation in or on the façade, which can even be fitted retrospectively. For installation as part of retrospective internal insulation, the internal insulation box is also available, which not only ensures air tightness and eliminates thermal bridges but also prevents moisture damage.



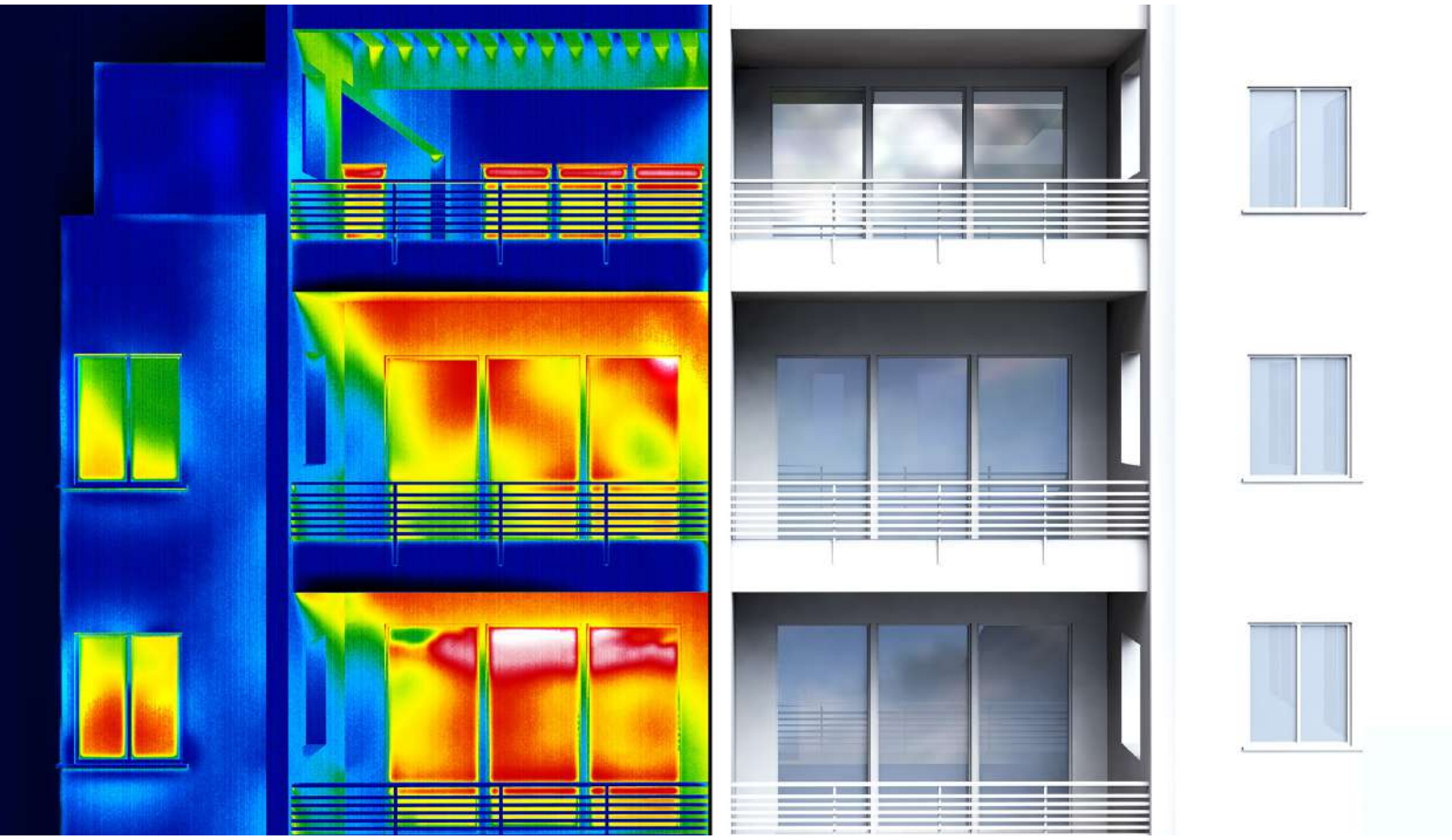




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Fundamentals.
Laws and Technology.

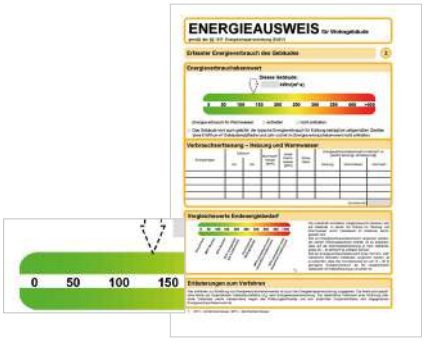
The energy efficiency of buildings is becoming increasingly important for a building's value, given energy costs and rising climate protection requirements. This applies to both new-build projects and refurbishment work on existing buildings.
In Germany, the Building Modernisation Act (GModG), which has been in force since 29 July 2026, regulates the energy performance requirements for residential and non-residential buildings. It sets out requirements regarding energy consumption, structural heat protection and the air tightness of the building envelope. Top floor slabs in existing buildings must be insulated under certain conditions, provided that the horizontal roof does not offer sufficient heat protection.

The requirements for air tightness are set out in particular in Section 13 of the GModG and in DIN 4108-7. Buildings must be constructed in such a way that the heat-transferring building shell, including its joints, is permanently sealed to prevent air leakage. At the same time, the required minimum air exchange rate must be ensured.

At European level, Directive (EU) 2024/1275 on the energy performance of buildings forms an essential basis. It aims to improve the energy efficiency of the existing building stock and to make the building sector climate-neutral in the long term. Its requirements are implemented through national regulations.

The energy performance certificate is an important tool for assessing a building's energy performance. It provides information on energy demand or energy consumption and enables buyers and tenants to compare energy efficiency. In Germany, it is mandatory for new buildings and, as a general rule, for the sale, letting or leasing of existing buildings. Statutory exceptions remain unaffected.

In Austria, the Energy Performance Certificate Submission Act (EAVG) and the relevant provincial building regulations govern the requirements for energy performance certificates. OIB Guideline 6 forms an essential technical basis for energy saving and heat protection. In Switzerland, the Cantonal Building Energy Performance Certificate (GEAK) is used to assess the energy performance of buildings. The obligation to issue one depends on cantonal regulations.





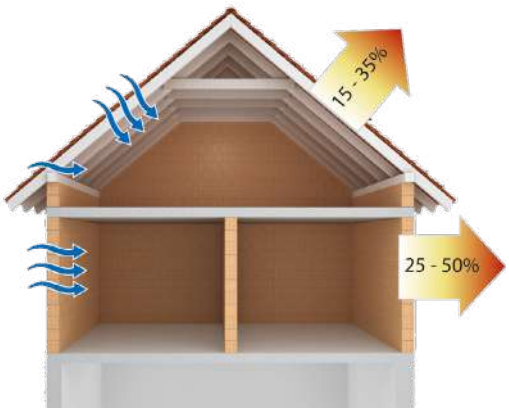


An air-tight building shell and external insulation free from thermal bridges are essential aspects for meeting the requirements of the GModG for new builds and renovations. DIN 18015-5 (Airtightness and thermal bridge-free electrical installations) defines the planning and execution principles for penetrations of the air-tightness layer and for connections in this area, as well as in or on the windproof layer.

The energy efficiency of a building is determined by the optimal use of available energy sources and the minimisation of energy losses. In addition to the heating and ventilation systems used, a building shell that is consistently well insulated is the most important component for protecting against heat loss.

The thermal building shell is predominantly formed by the external walls, where 25 to 50 per cent of heat transmission losses occur. This is followed by losses of 15 to 35 per cent via roof surfaces and heat bridges, such as contact surfaces and leaks in the building shell. To prevent building damage, it is also essential to maintain an air-tight building shell and ensure that external insulation is free from thermal bridges. This applies in particular to electrical installations.

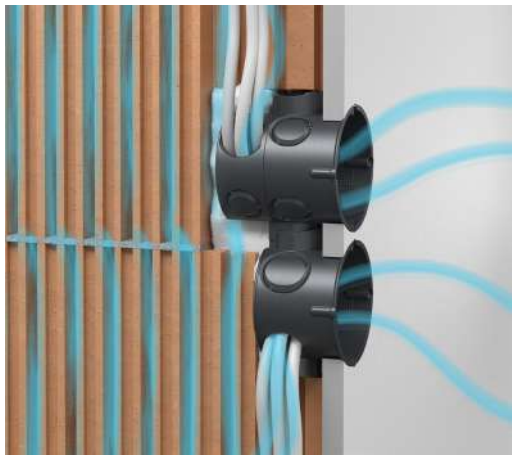
The low-energy standard can reduce heating energy consumption – compared with standard consumption on Stock – to around 40 per cent, and in passive houses even to around 8 per cent. To achieve significant energy savings through the renovation of existing buildings, optimising the thermal insulation is particularly important.



Average heating energy consumption shown for houses with a living space of 100 m²					
House type	"Normal house" (housing stock)	Low-energy house	Passive house	Zero heating energy house	Energy self-sufficient house (special case)
Energy use	187 kw h / m² a	73 kw h / m² a	15 kw h / m² a	8,3 kw h / m² a	0 kw h / m² a







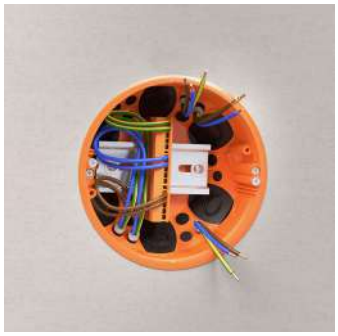
Air-tight **electrical installation. ECON®technology.**

An air-tight, heat-insulating building shell in accordance with DIN 4108 not only protects against energy loss but also safeguards the building fabric. When warm air comes into contact with cooler surfaces, condensation forms, which can cause damp damage and mildew. In lightweight construction, moisture barrier foils or OSB panels act as the air-tight layer, whilst in solid construction it is the interior plaster. Electrical installations must not compromise this layer – standardised electric cable and conduit entries are mandatory. Air-tightness must also be ensured in the case of retrofitted internal insulation. KAISER offers tested solutions for this purpose for cavity wall, Flush-mounting and internal insulation installations.

With **KAISER's ECON® technology**, you can achieve a guaranteed level of air-tightness in accordance with DIN 18015-5 – in both lightweight and solid construction. The elastic sealing membrane seals tightly around the electric cable or conduit upon insertion, preventing air flow and thus protecting against heat loss and moisture damage. Toolless insertion and integrated retention simplify installation and meet the requirements of DIN VDE 0100-520 and DIN EN 60670-1. ECON® products are air-tight in accordance with DIN 18015-5 and thus help to comply with the air tightness requirements of the GModG.









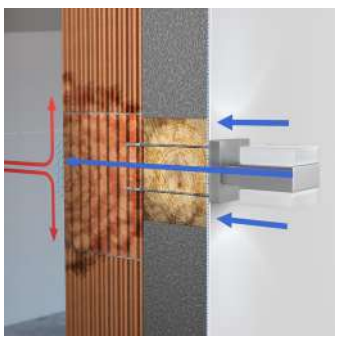


Electrical installation **free from thermal bridges.**

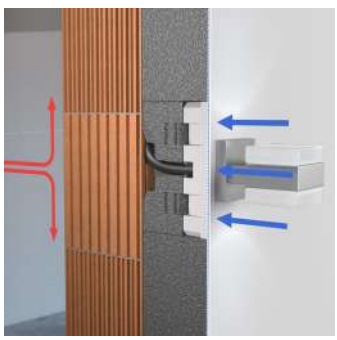
The quality of external wall insulation depends primarily on the continuity of the insulation and on avoiding thermal bridges. Particular risks are posed here by extensions such as balconies or horizontal installations such as sockets, external switches and luminaires, motion detectors, intercoms or letterboxes.

Mechanically secure and thermal-bridge-free fixing to the insulated façade should provide a stable hold without damaging the insulation layer. KAISER offers a comprehensive programme of products for the secure and energy-efficient fixing of electrical appliances and components, as well as other components – including for retrofitting within or onto the insulated façade.

Composite thermal insulation systems are multi-layered façade structures used primarily for building insulation. KAISER products are specially developed for ETICS and other standard systems on the market and ensure a secure, long-lasting fit without compromising the insulating effect. Thermographic images reveal heat bridges on façades: yellow and red areas indicate high heat transfer, whilst blue and dark areas highlight weak points in the insulation. Exterior images demonstrate good insulation with external installation free from heat bridges. Interior images, on the other hand, clearly highlight critical areas.



In addition to significant heat loss, heat bridges can also lead to building damage caused by condensation, and even to mould that is harmful to health.



KAISER's solutions for insulated external walls ensure an installation free from thermal bridges.

The energy efficient house.





In masonry:

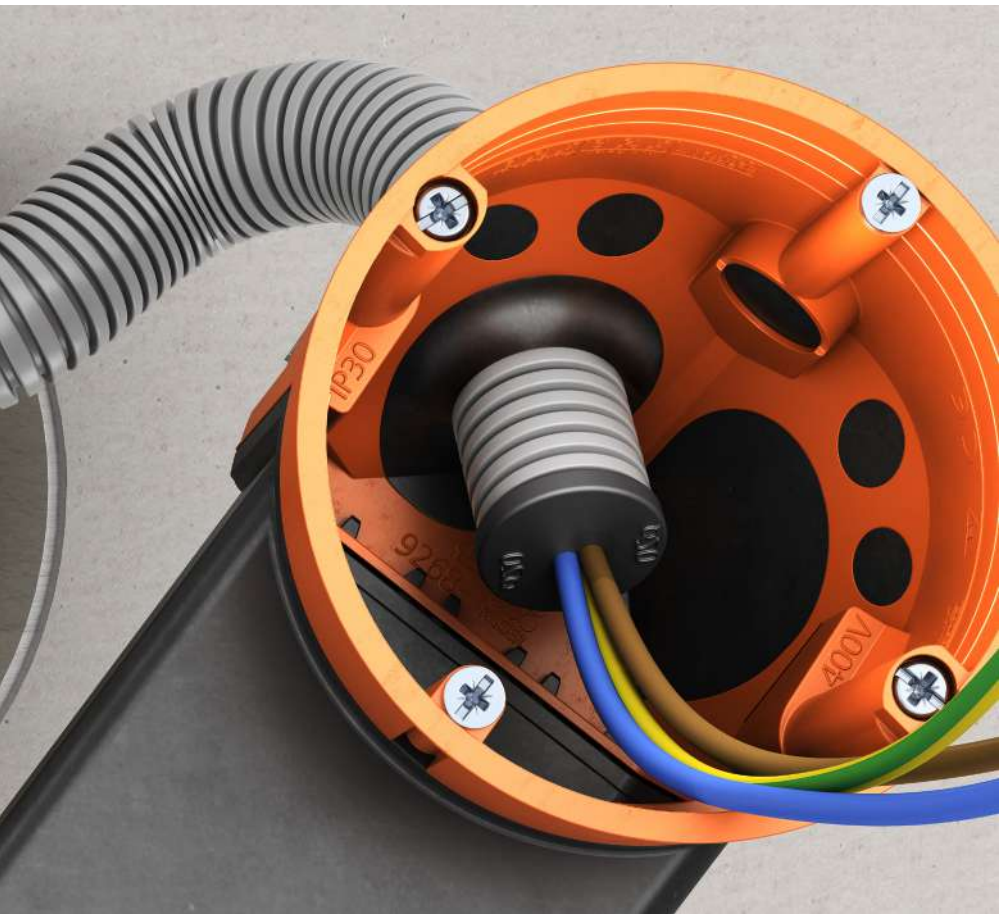
1. One-gang boxe UP[1] ECON® Fix
   One-gang junction box UP[1] ECON® Fix

In lightweight walls:

2. One-gang boxe O-range ECON® Evo
3. One-gang junction box
   O-range ECON® 3
4. Device connection box
   O-range ECON® Data
5. Junction box Ø 120 mm
   O-range ECON®
6. Installation housing O-range ECON® 120
7. installation housing ThermoX® LED
8. Multi-seal sleeve ECON®

Thermal bridge-free installation:

9. One-gang junction box
   ECON® Styro55
   One-gang junction box
   ECON® Iso +
10. Mini equipment carrier
11. Telescope equipment carrier
12. Universal equipment carrier
    with a combination insert
13. Installation housing ThermoX® Iso +





1

Air-tight cavity wall installation with **ECON® technology**.

Products featuring **ECON® technology** are air-tight and ensure that unwanted heat loss through ventilation is prevented. **ECON®** thus makes a significant contribution to meeting the requirements of the EU Energy Efficiency Directive and the relevant national implementations, such as the Building Modernisation Act (GModG).
In extensive blower-door tests, an independent institute tested and confirmed the air tightness of the cavity wall boxes featuring **ECON® technology**.

- Elastic sealing membrane for guaranteed air tightness
- Toolless electric cable and conduit entry
- Integrated strain relief in accordance with DIN EN 60670
- Air-tight assemblies with straight couplings
- Device screws with plus-minus drive
- Innovative opening tab

O·range ECON® Evo



90° Pipe entry bracket:
Conduit entry offset by up to 90°;
ideal for the installation of opposing boxes!













1 The elastic sealing membrane of the ECON® technology conforms to the electric cable or conduit as it is pierced. This prevents any uncontrolled air flow.

2 Smooth opening of the conduit entry thanks to pre-embossed opening tab ...

3 ... without tearing the membrane.

4 Permanently air-tight conduit entry up to a pipe size of Ø 25 mm.

5 Electric cables and conduits are guaranteed to remain air-tight even when subjected to tensile stress.

6 Labelling the insertion ports makes it easier to choose the correct port size.

7 The straight coupling ensures that the cavity wall boxes form an air-tight seal; it is inserted toolless by sliding it over the removable straps.

O-range ECON® Evo

The product ranges of cavity wall boxes for standard electrical installations and air-tight electrical installations are grouped under the brand name **O-range®**. The circular 'O' symbolises the installation opening for the box in the cavity wall, whilst 'range' stands for the range of cavity wall boxes. Their bold colour makes them stand out clearly and shows at a glance that a brand-quality box, meeting the latest installation standards, is fitted in the wall.

Innovative technical improvements: Finally, KAISER cavity wall boxes are also technical pioneers, ensuring that electrical installation is quicker and easier. With the **O-range® Evo** and **O-range ECON® Evo** ranges, the tried-and-tested features have been specifically enhanced with practical innovations. The fixing lug remains connected to the screw even during removal. A total of eight screw domes – two triple domes plus two single domes offset by 90° – offer maximum flexibility when aligning the installation accessories.

One-Gang Box
O-range ECON® Evo
9263-23 / 9263-79



One-Gang Junction box
O-range ECON® Evo
9264-23 / 9264-79

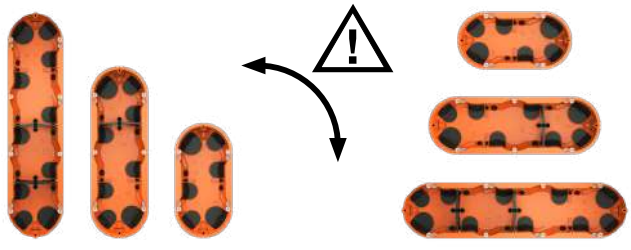




Continuous installation space.
O-range ECON® Multi-dose vials.

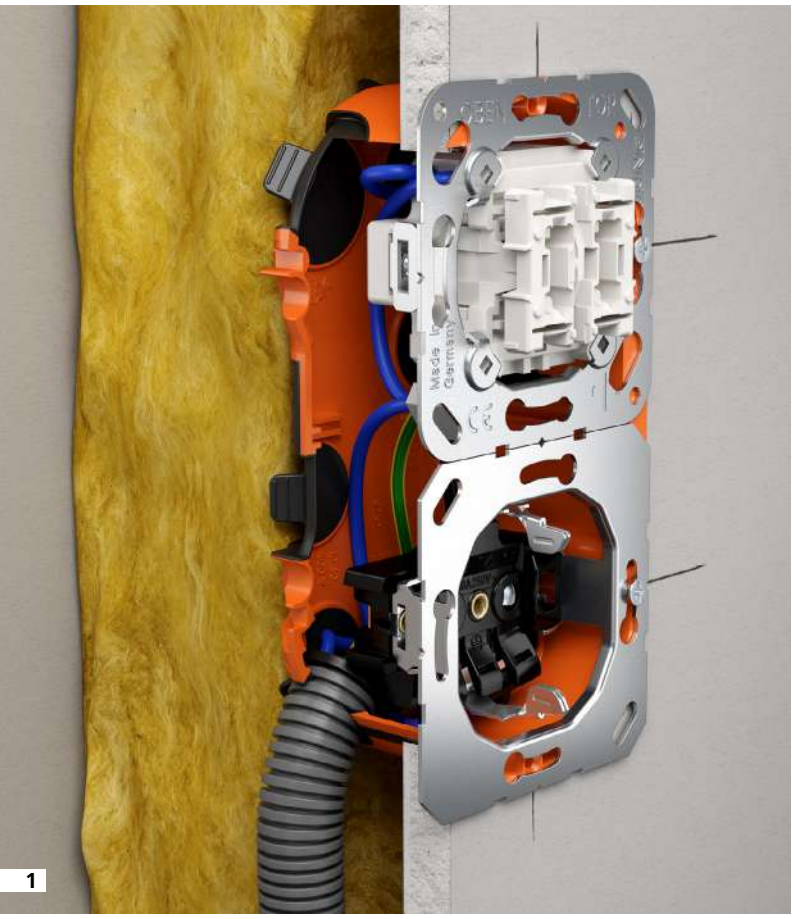
With the **O-range ECON® 2 / 3 / 4** one-gang junction boxes, KAISER provides the perfect basis and, as a result, exceptional convenience for the installation of all standard installation accessories in multiple combinations. They allow the use of pre-wired installation accessories and offer maximum flexibility when fixing installation accessories in place. When using different electrical circuits or power supply and communication connections within a single combination, the individual appliance mounting positions can be easily separated standardisedly using the insertable separator.

- Convenient installation of pre-wired device inserts without physical separation
- Maximum flexibility when mounting equipment
- Standardised separation of the individual installation openings by means of a plug-in separator
- Complete assembly and installation using just one screwdriver
- Has combinability with all products in the O-range® programme

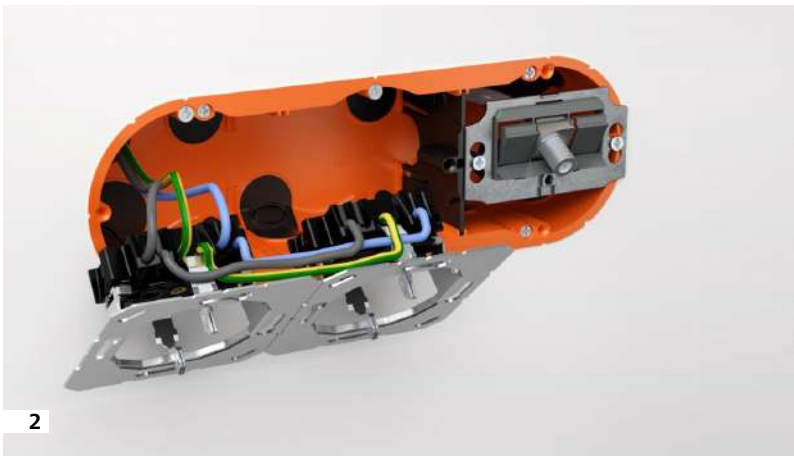


Detachable edge on the separator for front-side through-wiring when the separator is in place.

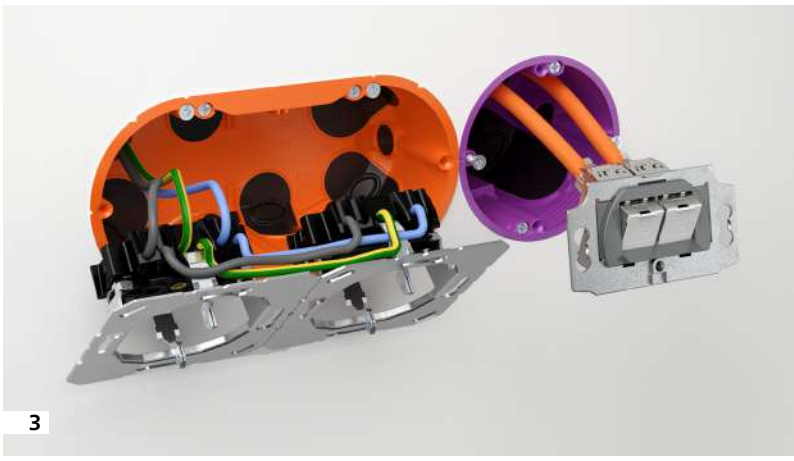




1



2



3

1 Thanks to their large installation opening without a central bridge, the O-range ECON® 2 / 3 / 4 one-gang junction boxes allow for the convenient use of switch/socket combinations without the need for wiring through the straight coupling.

2 The separator used ensures that the individual equipment mounting positions are separated easily and standardised. Two additional screw domes guarantee maximum flexibility when securing equipment.

3 All products in the O-range® programme can have standardised combinability at a centre distance of 71 mm, even without straight couplings.

One-gang junction box
9252-22 / 9252-78



One-gang junction box
O-range ECON® 3
9253-22 / 9253-78



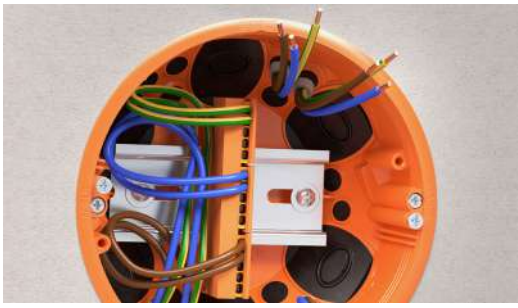
One-gang junction box
O-range ECON® 4
9254-22 / 9254-78











Conduit and device junction box. Junction box Ø 120 mm.

Air-tight **pipe-to-device** one-gang junction box featuring **ECON® technology**, specifically designed for installation with electrical installation conduit. The junction box is VDE-certified and is suitable for air-tight and thermal bridge-free electrical installation in accordance with DIN 18015-5 (air-tightness of the building shell in accordance with GModG). Four entry points are ideal for continuous conduit installation, e.g. in prefabricated house construction or for data networks. Particularly easy to install thanks to toolless conduit entry via a strap.

- Installation in a cut hole Ø 68 mm
- Elastic sealing membrane for guaranteed air tightness
- Toolless conduit entry
- Air-tight and fully insulated; has combinability with straight couplings

Air-tight **junction box, Ø 120 mm** with **ECON® technology** for energy-efficient electrical installation in accordance with the GModG. Particularly easy to install thanks to toolless cable and conduit entry. The sealing membranes guarantee long-lasting air tightness whilst also ensuring retention of electric cables and conduits. The large box volume offers ample installation space for various cable connections.

- Installation in a cut hole Ø 120 mm
- Elastic sealing membrane for guaranteed air tightness
- Toolless electric cable and conduit entry

Conduit-to-device junction box O-range ECON®
9266-22 / 9266-77



Junction box Ø 120 mm O-range ECON®
9273-92 / 9273-78




1


2


3


4

Suitable for universal use from 10 mm material thickness for:
1 OSB with plasterboard
2 Gypsum fibreboard*
3 OSB-Panel with MdF
4 Facing masonry

Stick – Align – Clamps – Done!
O-range ECON® Fix.

With the **O-range ECON® Fix** one-gang junction box,installation is significantly quicker and easier thanks to the tab-free clamping rib fastening system, which works with various combinations of wall materials such as OSB panels, gypsum fibreboards or even facing masonry. Peripheral sealing flanges on two levels ensure that the air-tightness is maintained. The integrated centring ribs enable precise and convenient installation of the one-gang junction box in the installation opening without it becoming misaligned.

- Clamping-rib fastening system for various solid wall structures
- Peripheral sealing fins on two levels to maintain the air-tight seal
- 4 screw domes for maximum flexibility when mounting equipment
- Toolless electric cable and conduit entry
- Device screws with plus-minus drive



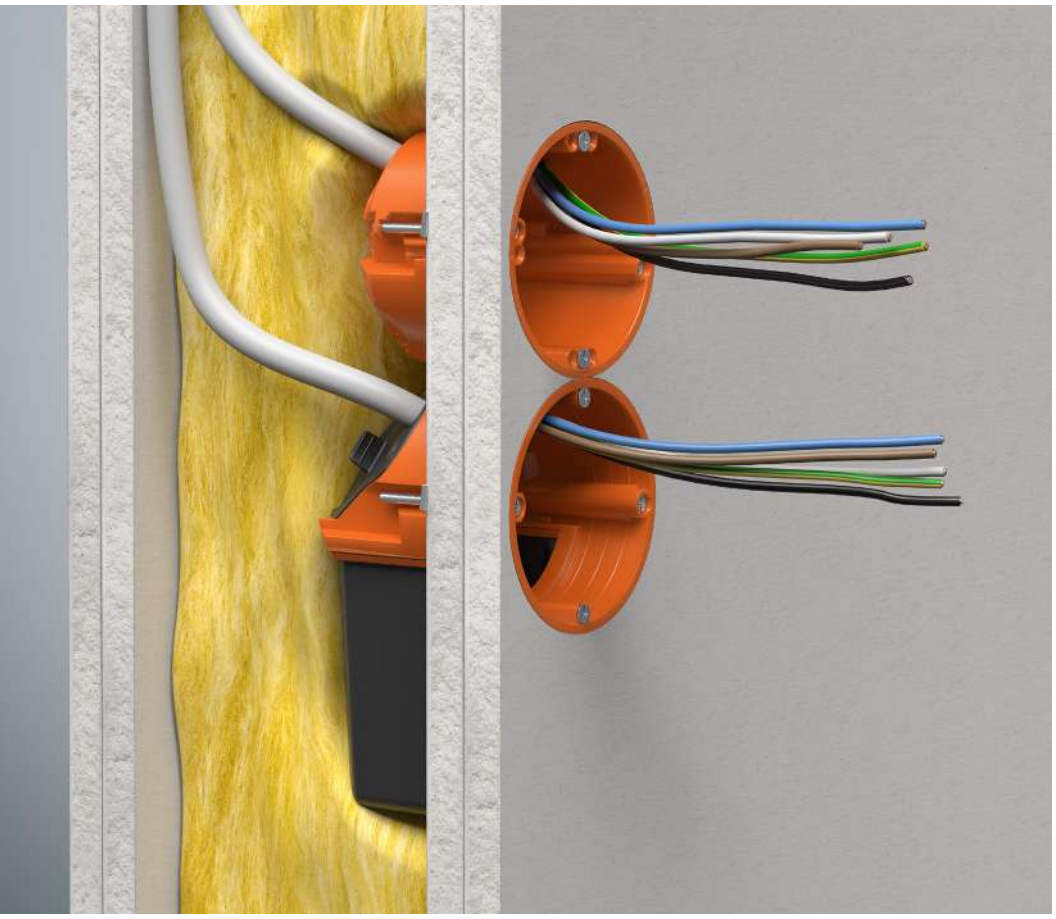
O-range ECON® Fix
9264-12 / 9264-72

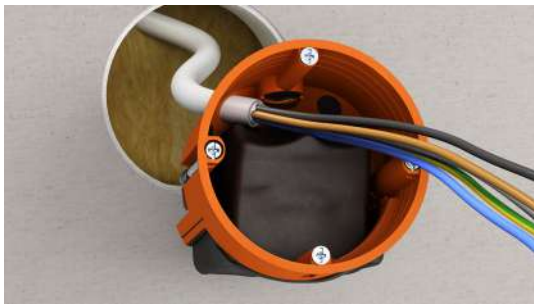


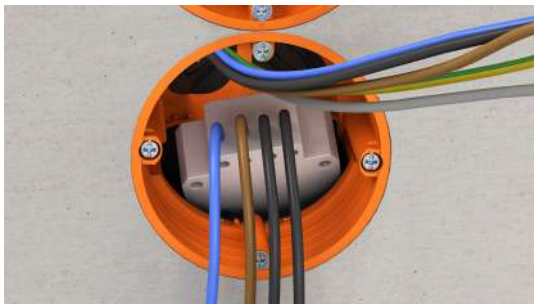
Setting tool
1090-12

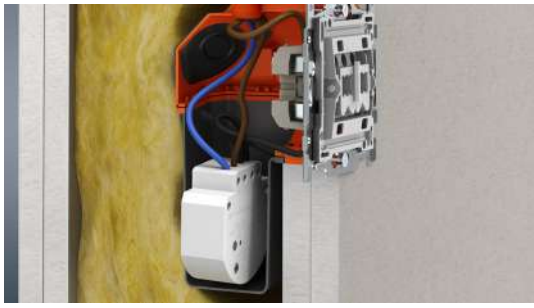


* When installing in wall structures consisting exclusively of plasterboard (GKB) in accordance with DIN 18180 or cement-bonded mineral fibreboards in accordance with DIN EN 12467, the O-range® product range with clip fastening is the appropriate solution.









Air-tight installation with additional installation space. **Electronics-box O-range ECON® Flex.**

The air-tight electronics box featuring ECON® technology is ideal for modernising or conducting an expansion of existing installations thanks to its quick installation. The flexible tunnel allows for easy installation and provides more space for electronic components, cable reserves and terminals.

- Additional lateral terminal compartment for communications and networking equipment
- Elastic sealing membranes for guaranteed air tightness
- Toolless electric cable and conduit entry
- Integrated cable retention
- Air-tight and fully insulated; has combinability with straight couplings

In addition to the guaranteed air tightness of this system, the toolless routing of electric cables or conduits is one of the practical advantages that make day-to-day installations using ECON® technology efficient and safe. Features such as the opening tab for conduits or the straight coupling, which provide an insulated and air-tight connection with ECON® cavity wall boxes, offer the installer user-friendly solutions.

Electronics box
O-range ECON® Flex
9268-94 / 9268-74



INNOVATION







Gentle and convenient fitting of data cables.

O-range ECON® Data.

The **O-range ECON® Data** one-gang junction box offers unprecedented ease of installation for connecting and performing the installation of communications and network sockets. The innovative wire entries for data and network cables are positioned in such a way that the bend radii specified by the cable manufacturer can be easily adhered to, cable kinks are avoided and optimum data transmission is thus guaranteed. Whether performing the installation of a network socket or installing a Keystone module, the O-range ECON® Data always offers optimum cable routing.

- Innovative wire entries prevent cables from kinking
- 4 screw domes for maximum flexibility when mounting equipment
- Toolless electric cable and pipe entries
- Has combinability with all products in the O-range® programme



The excess length of electric cable required for the network sockets to be connected professionally can simply be fed back into the cavity of the lightweight wall when the device is installed.

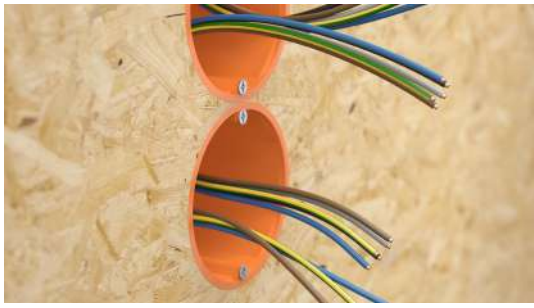
O-range ECON® Data
9280-22 / 9280-78











Air-tight cavity wall installation.
The KAISER installation system.

The comprehensive **KAISER installation system**, complete with accessories and tools, enables you to carry out professional, air-tight installations in buildings in accordance with the GModG and offers the perfect solution for a wide range of tasks. From One-gang boxes and electronics boxes right through to wall light connection boxes, you'll find tried-and-tested products here.

In addition to the air-tight products featuring **KAISER's ECON® technology**, which can be opened toolless, we offer you another installation system for air-tight installations.

For air-tight **installation products** without a sealing membrane for pipes or conduits, simply cut the opening using the handy **KAISER universal opening cutter**. The resulting opening fits so precisely that air flow is prevented. Furthermore, the exact fit ensures professional retention of the pipes or conduits.

One-gang junction box
9066-01*



One-gang junction box for solid wood
9066-12*



One-gang box for thin boarding
9263-13*



One-gang box CEE
9075-12*



Wall light connection box
9248-01*



Electronics box
9062-94*



Universal opening cutter
1085-80

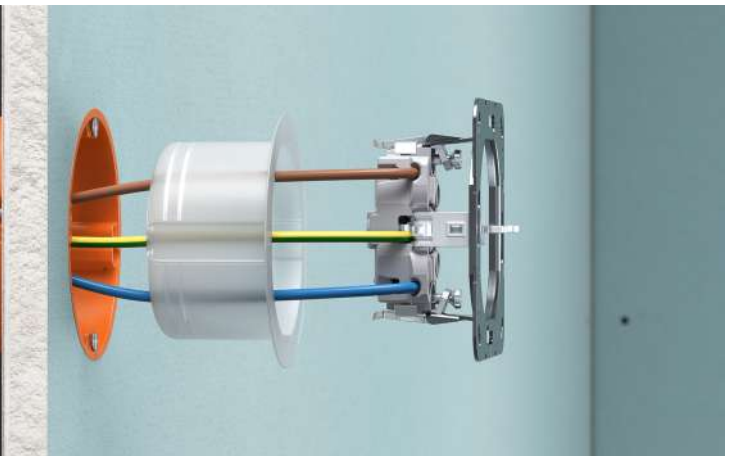


Connector
9060-98*



halogen-free

* Also available in a halogen-free version




Retrofitted to be air-tight.
Sealing insert and sealing foil.

The sealing insert transforms conventional one-gang boxes into air-tight boxes in no time at all. The inserts for flush-mounting or cavity wall boxes can be retrofitted at any time – without having to remove the existing boxes.

The **sealing insert** is simply inserted into existing device boxes or one-gang junction boxes. The individual wires are fed through the base at the rear and the insert, with the connected installation accessory, is then pushed back into the box..

- For all devices and one-gang junction boxes
- Easy retrofitting
- Do not remove the old boxes
- Permanently elastic plastic

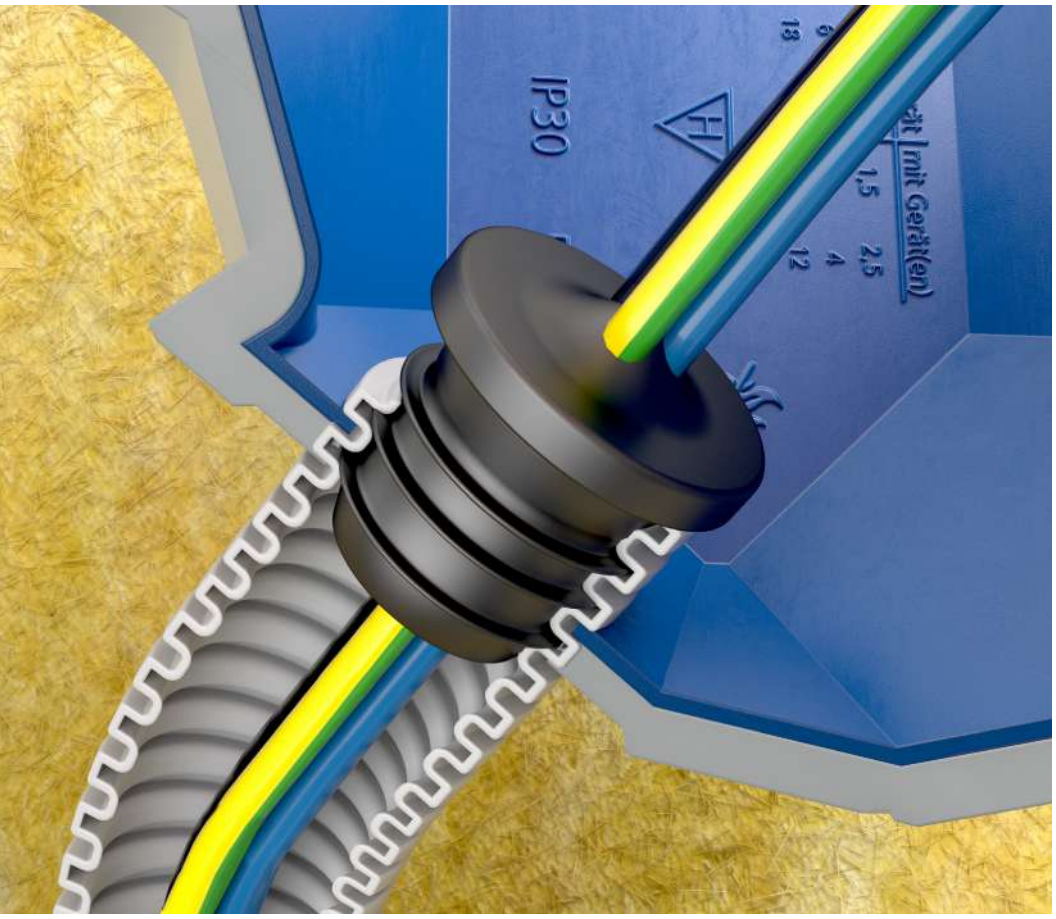
The **KAISER sealing foil** creates an air-tight closure between the edge of the box and the boarding after installation. It can be used to quickly create an air-tight closure for installation openings that are poorly cut or too large, as well as for chipped edges.

Sealing insert
1040-01



Sealing foil
9060-41











Permanent air-tight sealing of electrical installation conduits. **Sealing plug.**

The **KAISER sealing plugs** are ideal for sealing all standard electrical installation conduits in installation boxes or at electric cable exits.

The long sealing plug with three sealing lips adapts to the respective installation conduit and guarantees an air-tight seal. As well as improving energy efficiency, the sealing plug offers benefits in other areas. It prevents the spread of smoke (fire protection), sound (sound insulation), dust and pathogens.

- For air-tight conduit installations
- Elastic sealing membrane for guaranteed air tightness
- Reinforcing ribs in the membrane ensure air-tightness where the cables pass through
- For all installation conduits Ø 16-40 mm, Pg 9 – Pg 36, 3/4" and 5/8"

Sealing plug M16
1040-16



Sealing plug M20
1040-20



Sealing plug M25
1040-25



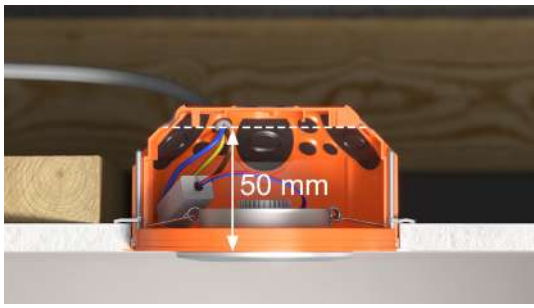
Sealing plug M32
1040-32



Sealing plug M40
1040-40











With universal screw-on surface.
Installation housing O-range ECON® 120.

With the **O-range ECON® Universal 120** installation housing, KAISER offers maximum flexibility on site. As well as providing wiring for an entire room unit, it also allows for the installation of various surface-mounted or flush-mounted installation accessories. Where necessary, the universal fixing and screw-on surface can be opened to the required dimensions, thus ensuring the neat installation of built-in luminaires, smoke detectors and much more. Installation is particularly straightforward thanks to toolless electric cable and conduit entries. The sealing membranes guarantee long-term air tightness and thus ensure an airtight and thermal-bridge-free electrical installation in accordance with DIN 18015-5 (airtightness of the building shell in accordance with GModG).

- Universal screw-on surface for the neat installation of devices without the need for drilling or using dowels
- For creating customised installation openings up to Ø 100 mm
- Complete assembly and installation using just one screwdriver
- Toolless electric cable and conduit entry
- Installation in a cut hole Ø 120 mm



Design freedom for creative and modern lighting systems in walls and ceilings.

Installation housing O-range ECON® 120
9273-50





Air-tight installation compartment for built-in LED luminaires.

Installation housing ThermoX® LED.

ThermoX® LED is the installation housing designed for the air-tight installation of fixed and swivelling LED built-in luminaires in various ceiling structures. The housing protects the surrounding material (moisture barrier foil, insulation, etc.) from high operating temperatures and creates an air-tight closure. This not only prevents uncontrolled air exchange, but also any resulting long-term damage, such as mould growth in the ceiling insulation.

- For air-tight installation in insulated hollow ceilings
- Retrofitting installation from below
- Toolless assembly of the housing
- Guaranteed air-tight installation
- The surface texture on the reverse side ensures optimum heat management
- Secure and durable fit of the luminaire within the housing

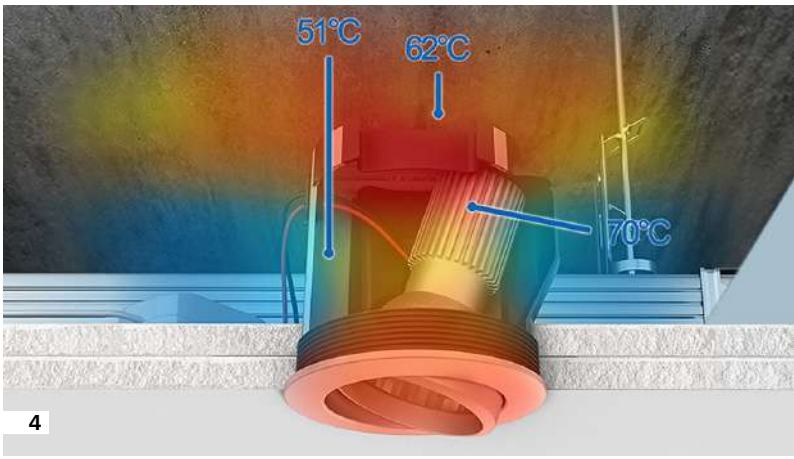
Certificate of air tightness
Guaranteed air-tight housing for an air-tight and thermal bridge-free electrical installation in accordance with DIN 18015-5 (air tightness of the building envelope in accordance with GModG) for built-in luminaires. The relevant certificate can be requested from us or downloaded directly from our website.











1 Guaranteed air tightness even when the fixing springs are spread apart, thanks to flexible expanding pockets.
2 The swivel socket allows the installation spotlight to be precisely aligned.

3 Shallow housings allow them to be inserted in low-profile ceiling structures, e.g. sub-constructions made of wooden slats.
4 Temperature profile of LED installation spotlights: The surface texture on the rear ensures minimal contact with the vapour barrier and optimal heat dissipation.

The **ThermoX® LED** installation housing offers a number of further advantages. Thanks to its completely air-tight design, neither dust nor dirt from the false ceiling can penetrate the housing and impair the function of the heat sink. Combined with the thermal separation between the luminaire and the operating unit, this ensures maximum operating life.

ThermoX® LED
9320-10



Ø 74 mm
T: 70 mm

ThermoX® LED
9320-11

GERMAN DESIGN AWARD SPECIAL 2017
DESIGN PLUS powered by: light+building



Ø 74 mm
T: 95 mm

ThermoX® LED
9320-20



Ø 86 mm
T: 70 mm

ThermoX® LED
9320-21



Ø 86 mm
T: 95 mm

(T: Depth)





Air-tight installation compartment for built-in halogen and LED luminaires. **Installation housing ThermoX®.**

The intelligent housing system provides protection against the latent fire risk posed by extremely hot halogen luminaires, as well as by the heat sinks of LED luminaires, in false ceilings and roof areas. The installation housing primarily protects the moisture retardant foil, which is an essential component of the air-tight building shell. Furthermore, the installation housing prevents the frequent formation of dust edges around the built-in luminaires.

The **ThermoX®** housing is ideal for installing built-in luminaires in timber-panelled and tiled ceilings, as well as in seamless suspended ceiling structures made of plasterboard, mineral fibreboards, MDF and plywood panels with cross-battening and surface-mounted insulation. Whether installed in new-build properties or during retrofitting of existing buildings, the housing is suitable for both low voltage and high voltage luminaires. Optional decorative rings conceal the housing during retrofitting and add an aesthetic touch.

- Maintaining the air-tight layer and fire prevention
- Ceiling exits (DA) bis Ø 86 mm
- Installation can be performed from above or below
- Retrofitting is also possible

ThermoX® Housing for NV- and HV-Luminaires
9300-01 / 02 / 03



ThermoX® Universal-Housing with mineral fibreboard
9300-22



ThermoX® Decorative panels
9301-...



ThermoX®-Frontringe
9300-41 / 42 / 43



ThermoX® Universal-front part
9300-93





Air-tight installation on the insulation level. **Installation housing EnoX®.**

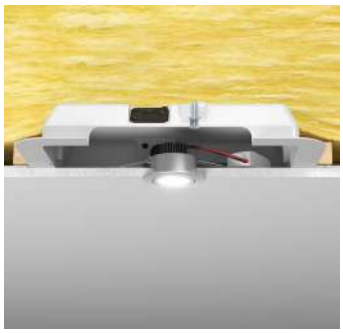
The **EnoX® installation housing** is used in lightweight walls and ceilings that form part of an air-tight building shell in accordance with the GModG. The housing provides a flexible installation space that is integrated into the insulation level. This prevents uncontrolled air exchange and allows luminaires, loudspeakers, displays or electronic components (e.g. actuators, power packs) to be installed in an air-tight and dust-protected manner.

The toolless insertion and the integrated cable retention feature of the **ECON® technology** ensure quick and secure installation.

- No installation level required
- For walls and ceilings in new-build and renovation projects
- Thermally protected installation space 300 x 200 x 55 mm
- **ECON® technology** for air-tight, toolless insertion

Installation takes place inside or on the rafters, fixed directly to OSB panels in both ceilings and walls. The housing is simply screwed into place using the cavity wall box principle. The connection to the moisture retardant foil is made air-tight again using the EnoX® sealing frame. Once the boarding has been fitted, you will have an insulated and thermally protected installation space for luminaires, loudspeakers, displays and much more.





EnoX® installation housing
9350-21

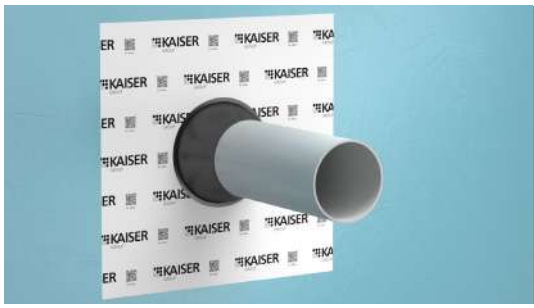


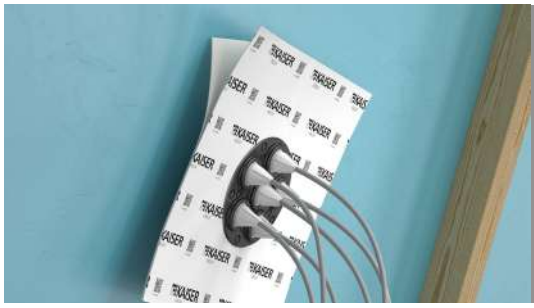
EnoX® Sealing frame
9350-99











For air-tight conduit and wire feed-throughs. **Air-tight sleeves.**

KAISER air-tight sleeves are resistant to ageing and can be used across a wide temperature range. Their extremely high adhesive strength ensures a secure fit on many surfaces and permanent air tightness. The electric cable or conduit is fed through the elastic sealing plug, which adapts precisely to the respective diameter.

- Large contact area with electric cables and conduits
- Sealing even where electric cables bend sharply
- Guaranteed air-tight feed-throughs (particularly in the loft)
- Extremely high adhesive strength
- 14 variants for different electric cable and pipe diameters
- Suitable for moisture retardant foils, sarking membranes and OSB panels

(For wood fibreboards, it is advisable to apply a coat of adhesive primer first.)

The **ECON® multi-electric cable air-tight** sleeves for electric cables and conduits ensure reliable sealing for between one and six electric cables up to Ø 11 mm or conduits up to Ø 25 mm, thanks to their anti-kink sleeve. A durable and reliable sealing system is guaranteed even when the cables are sharply bent at the installation level.

- Flexible sealing of 1 to 6 electric cables or conduits
- Elastic sealing membrane for guaranteed air tightness
- The anti-kink sleeve provides permanent sealing even for electric cables that kink severely
- Completely toolless assembly
- Unused feed-throughs serve as a reserve for future installations

Cable sleeves
9059-...



Conduit sleeves
9059-...



Multi-electric cable sleeves ECON®
9059-61



Multi-conduit sleeves ECON®
9059-62







Air-tight feed-throughs in outdoor areas. **Aluminium/fleece butyl sealing sleeves.**

These highly elastic sleeves, with maximum adhesive strength, are ideal for providing permanently secure sealing around installation penetrations through, for example, masonry, concrete or wood-based materials.

Sleeve strips with a fleece butyl adhesive collar can be plastered over, thereby creating an ideal bond with the masonry. The tear-resistant **aluminium butyl adhesive collar** provides a sealing system that is resistant to ageing, weathering and UV radiation, with a smooth film surface.

Applying a primer coat of **KAISER Adhesive Primer** optimises the adhesion of all sealing sleeves to absorbent substrates .

- Large contact area with electric cables and conduits
- Permanently moisture-resistant for use indoors and outdoors
- Water-repellent effect in the absence of water pressure

Aluminium butyl Sealing sleeves for electric cables
9079-...



Aluminium butyl Sealing sleeves for conduits
9079-...



Fleece butyl Sealing sleeves for electric cables
9089-...

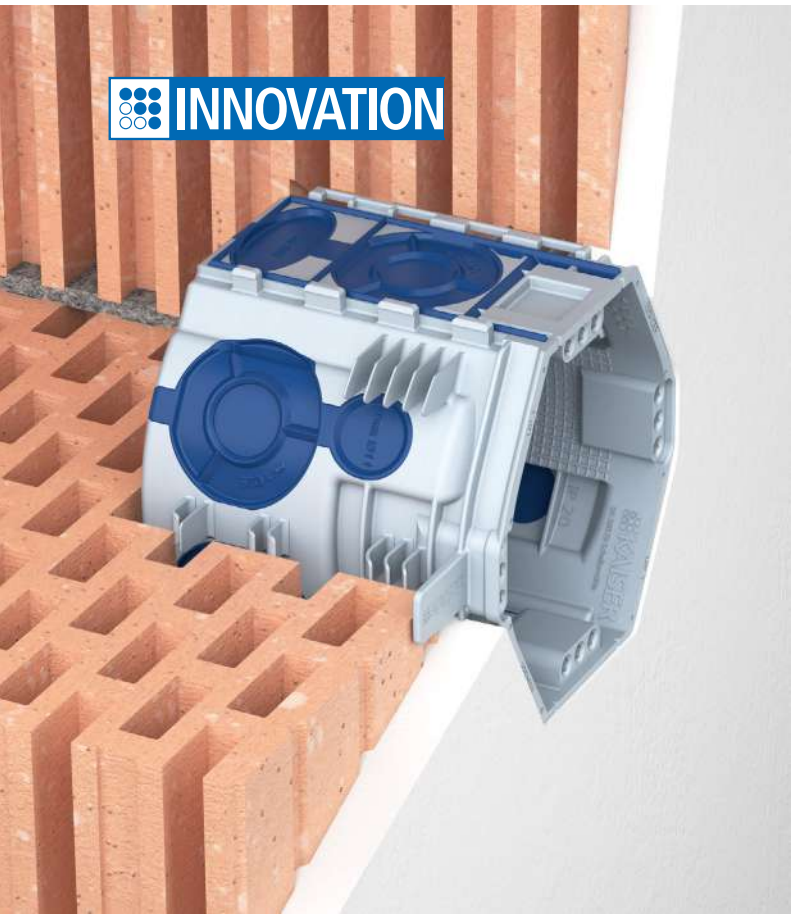


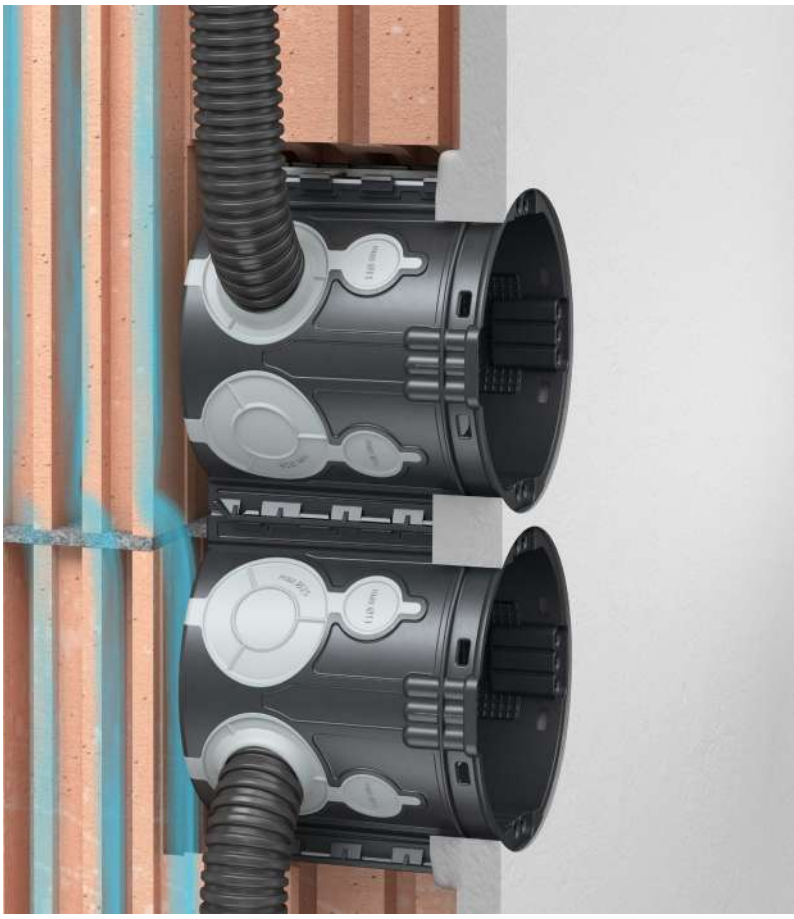
Fleece butyl Sealing sleeves for conduits
9089-...



KAISER Adhesive primer
9000-02





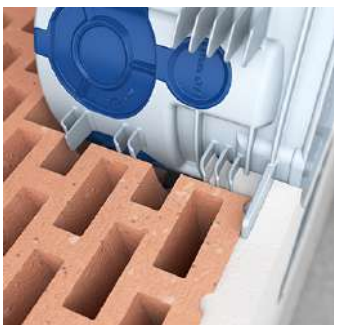


Air-tight flush-mounting installation with **ECON® technology**.

Flush-mounting boxes featuring **ECON® technology** are particularly suitable for use in masonry walls where the interior plaster forms the air-tight closure on the room side. They ensure that no air flows between the hollow chambers in the masonry and the interior of the dwelling in the case of sockets and switches, thereby guaranteeing air-tight installation. **ECON® flush-mounting boxes** offer a wide range of options for air-tight conduit and wire entry. The **UP¹ ECON® boxes** can be installed using traditional plastering methods. The UP¹ **ECON® Fix boxes**, on the other hand, can be fixed directly into the wall without any accessories, completely without plaster or foam. The elasticity of the sealing membrane ensures that it conforms to the conduit or electric cable as it passes through, thereby preventing air flow.

- Air-tight design with sealing membranes
- Prevents leaks in external walls made of hollow chamber blocks
- Adjustable, toolless electric cable and conduit entries
- Torsion-proof, guaranteed standardised distance of 71 mm in combinations

No plaster, quick cement or similar materials are required. There is no need to clean the tools. Any potential health risks associated with the use of chemicals are avoided. Storage conditions such as frost, heat and shelf life do not need to be taken into account. Suitable for all common types of brick, such as vertically perforated bricks with and without filling, solid bricks, lightweight concrete, cellular concrete and sand-lime bricks.



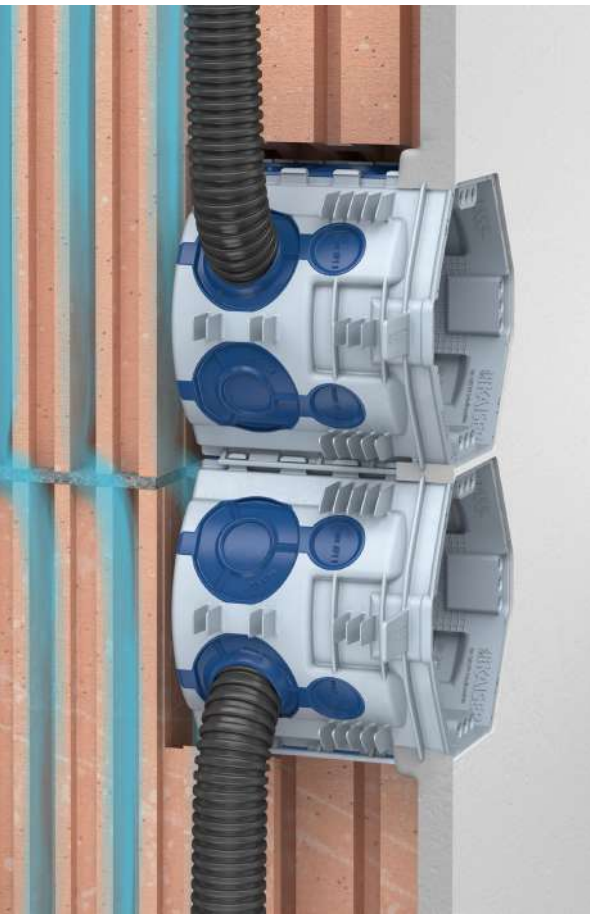


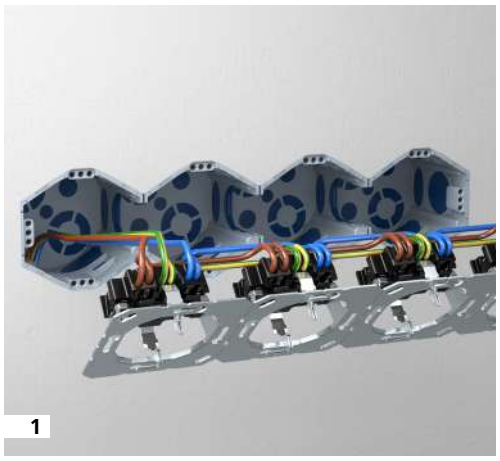
The **UP¹ ECON® Fix** with clamping-rib fastening and the **UP¹ ECON®** for traditional installation with plaster**.**

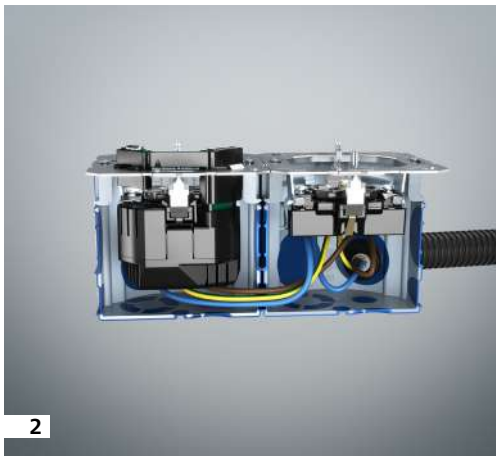
The UP1 range, including accessories, offers the ideal solution for every building site!



The UP¹ ECON® Fix offers 25 per cent more installation space than conventional flush-mounting boxes.

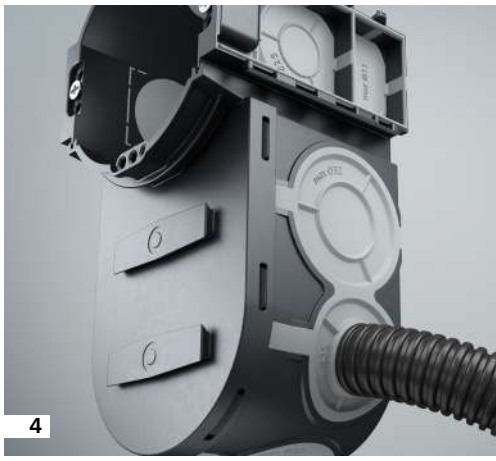



1


2



3


4

1 With the **UP[1] ECON® Fix boxes**, devices can be connected in a variety of ways after plastering; this makes it possible, amongst other things, to install the connecting cables for pre-wired devices – such as sockets – quickly and easily, without having to connect them inside the boxes first.

2 UP[1] ECON® Fix: Maximum usable space, thanks to fully insulated, floor-level through-wiring.

3 The **electronics boxes** offer ample space for fitting devices and additional installation space for accommodating, for example, small switch actuators. Even duplex cables can be installed safely and air-tight without the need for an installation conduit. In the case of network connection boxes, compliance with cable bending radii ensures optimum data transmission. The accompanying separator allows for the standardised installation of bus and operating voltages within a single box.

4 Installation conduits up to Ø 25 mm (UP[1] ECON® Fix up to Ø 32 mm) can be fed through the membrane toolless and in an air-tight manner.

The toolless cable and conduit entry using ECON® technology significantly simplifies the installation process and reduces the effort involved. Electric cables or conduits can be retrofitted very easily to boxes that have already been set in plaster. Hollow chamber blocks cause vertical draughts. Boxes featuring ECON® technology prevent air exchange.

One-gang box UP[1] ECON® Fix
1055-26



One-gang junction box UP[1] ECON® Fix
1555-26



Electronics box UP[1] ECON® Fix
1068-26



Two-gang junction box UP[1] ECON® Fix
1656-26



One-gang box UP[1] ECON®
1055-25 / 1056-25



One-gang junction box UP[1] ECON®
1555-25 / 1556-25



Electronics box UP[1] ECON®
1068-25



Two-gang junction box UP[1] ECON®
1656-25









Installation in internal insulation systems. **Internal insulation box.**

One-gang junction box for electrical installations in internal insulation systems. For the permanently secure and thermal-bridge-free fixing of switches, sockets and other devices in externally insulated external walls. For an optimal indoor climate with proven protection against moisture damage.

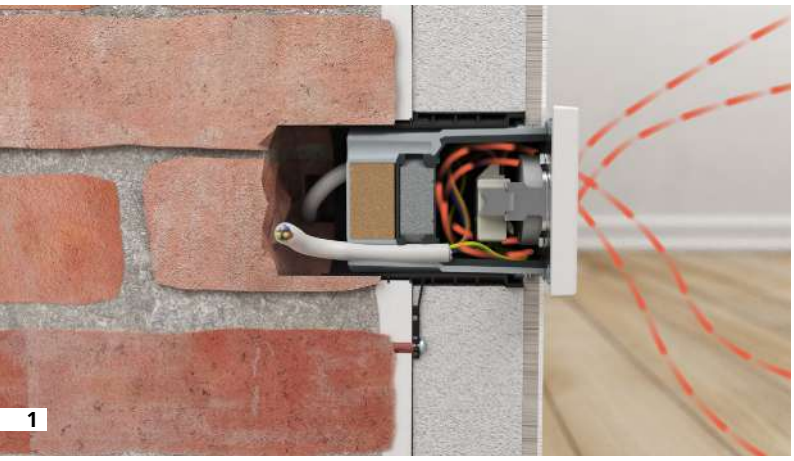
The internal insulation box is suitable for use in vapour-permeable insulation systems made from mineral or organic insulation materials with varying insulation thicknesses.

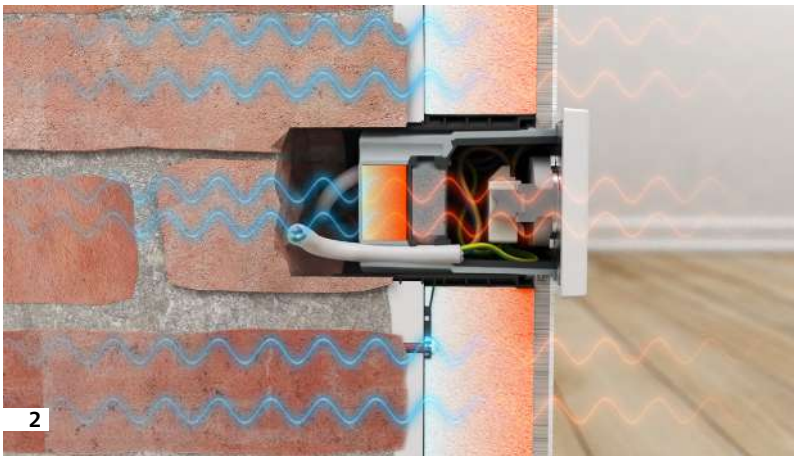
- Guaranteed thermal bridge-free installation
- Moisture-regulating and insulating
- Preventing damp-related building damage
- Suitable for use in many insulation systems
- For insulation thicknesses of 30 to 100 mm
- Installation on masonry without plaster

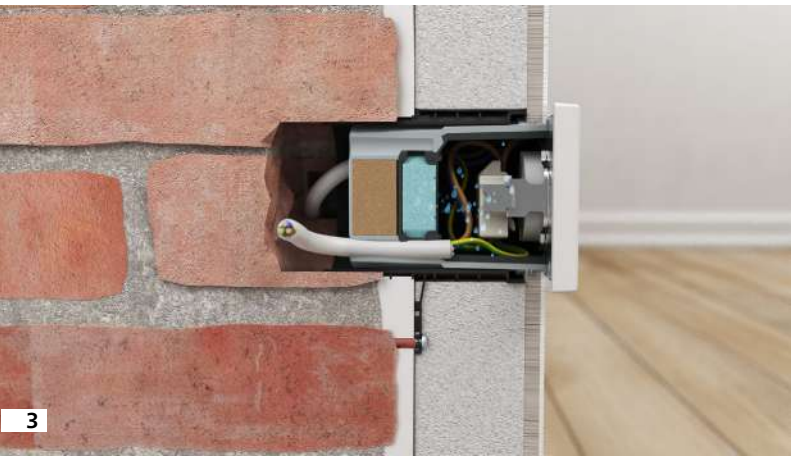
The internal insulation box offers fitters a convenient solution for professional fitting of electrical installations within internal insulation systems. Its ease of installation and flexibility of use are particularly impressive. After the installation is complete, it has been proven to contribute to the effective functioning of the insulation system.



1 Fixing lug | **2** Snap-in connections for combinations **| 3** Insulation thickness scale **| 4** Highly insulating component **| 5** Sealing lip **| 6** Component for moisture control **| 7** thermally conductive internal component









1 Air tightness
The air-tight layer is maintained, thereby preventing air from flowing behind the insulation system and preventing convection.

2 Heat-insulating material
The insulation component used ensures that the insulation system continues to function effectively and prevents heat bridges from forming. Although heat does enter the box, it does not reach the cold wall.

3 Moisture control
Excessive humidity in the room (due to poor ventilation or a large number of people in the room) is absorbed and released in a controlled manner. This function helps to prevent corrosion on the device terminals.

4 Thermal conductivity
The insertion of highly thermally conductive plastic into the internal box allows the room heat to be conducted into the box. The increased surface temperature prevents the formation of condensation.



TECHNISCHE UNIVERSITÄT DRESDEN

Bauteilprüfung „Innendämmungsdose"

Proof of functionality
A comprehensive component test carried out by the Technical University of Dresden – Institute for Building Climate – provides verifiable confirmation of the functionality of the **KAISER internal insulation box**.

Internal insulation box
1159-90





Secure hold without a heat bridge. **Equipment carrier.**

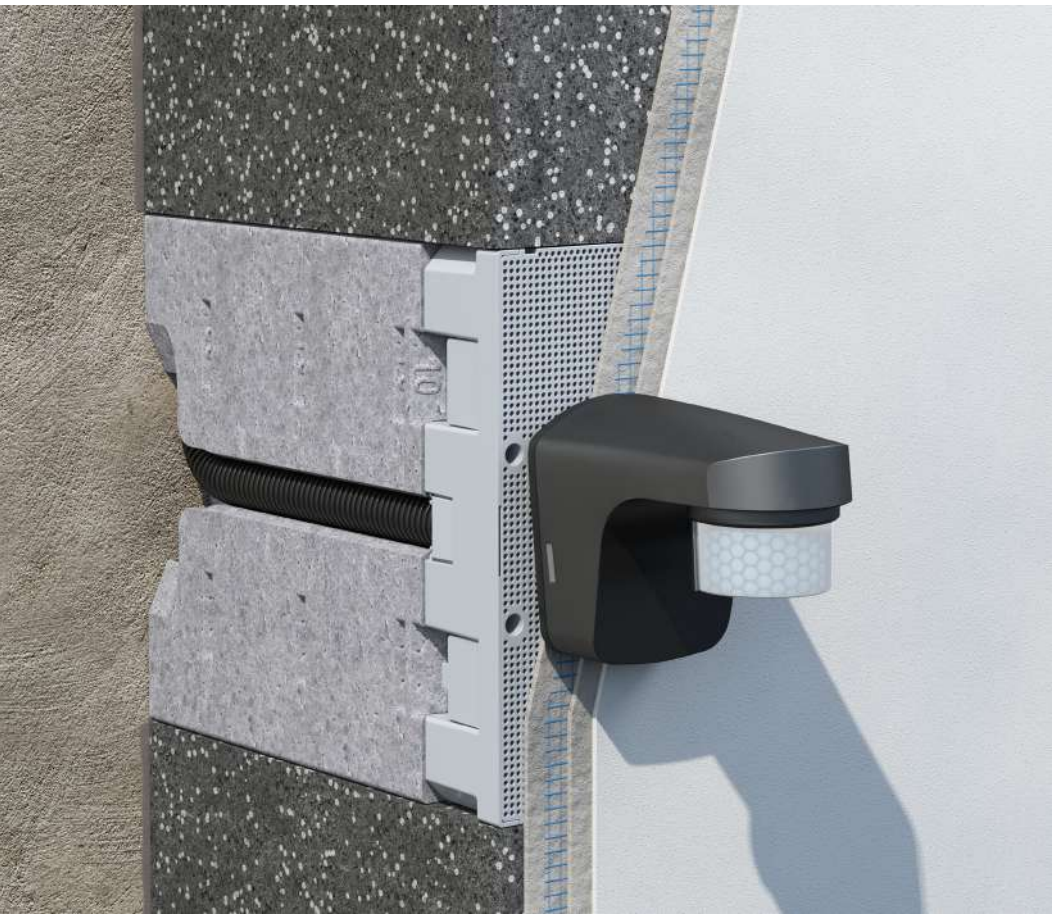
The **telescope equipment carrier** and the **universal equipment carrier** allow various accessories, such as external lights and motion detectors, to be fitted to the insulated façade. Both equipment carriers are securely fixed to the masonry, ensuring that the loads from the accessories can be supported over the long term.

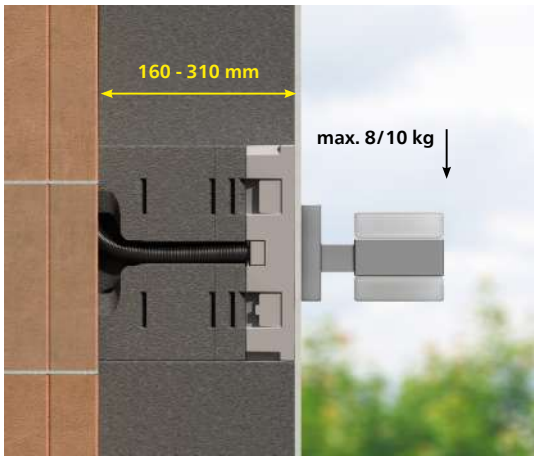
The **universal equipment carrier** can be easily adapted to insulation thicknesses of up to 360 mm using extension elements, whilst the **telescope equipment carrier** is infinitely adjustable to insulation thicknesses of 80–200 mm. The large, universal screw-on surfaces can be plastered over and are designed to allow flexible mounting of equipment.

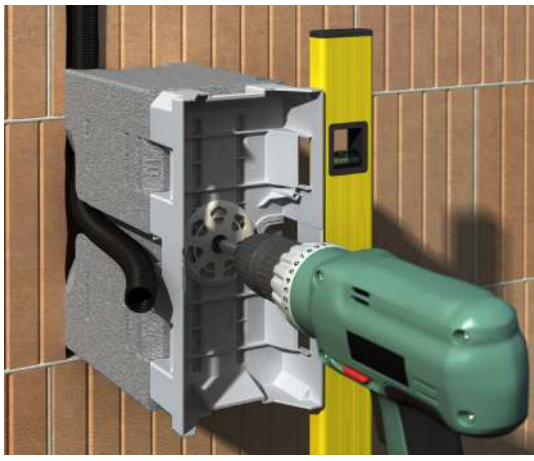
- Secure mechanical fixing to masonry
- Preventing heat bridges
- Flexible adaptation to the insulation thickness
- Universal screw-on surface for securing equipment

The **telescope equipment carrier** is also suitable for ceiling mounting, e.g. for securely fixing luminaires to an insulated cellar ceiling.









The choice of two front plates and the modular design for insulation thicknesses ranging from 160 to 310 mm make the **system equipment carrier** an extremely versatile product. Due to the combinability of the individual elements, the carrier can be adapted to the insulation in 10 mm increments, eliminating the need for time-consuming cutting to size. Quick and easy fixing using the screw-in wall plugs supplied ensures that the equipment carrier is securely and permanently anchored to a wide range of substrates. Accessories can then be flexibly secured to the large universal screw-on surface.

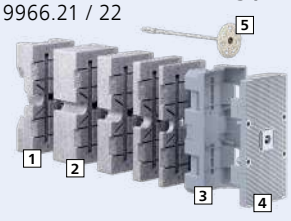
Universal equipment carrier
1159-24



Telescope equipment carrier
1159-60



System equipment carrier with universal mounting plate
9966.21 / 22



1 Basic element
2 Intermediate elements
3 Housing base
4 Front plate
5 Screw-in wall plugs







A secure grip and a stable base. **One-gang box.**

The **telescope switch box** and **universal equipment carrier** for combination inserts enable the installation of various installation accessories, e.g. for door entry systems, switches and sockets, within the insulated façade. Both equipment carriers are securely fixed to the masonry by mechanical means, ensuring that the loads from the devices can be supported permanently and that the required pull-out forces are withstood.

The **universal equipment carrier** for combination inserts can be easily adapted to insulation thicknesses of up to 360 mm using extension elements, whilst the telescope switch box is infinitely adjustable to insulation thicknesses of 80–200 mm. This can be easily achieved using the dimension specifications on the carrier arm.

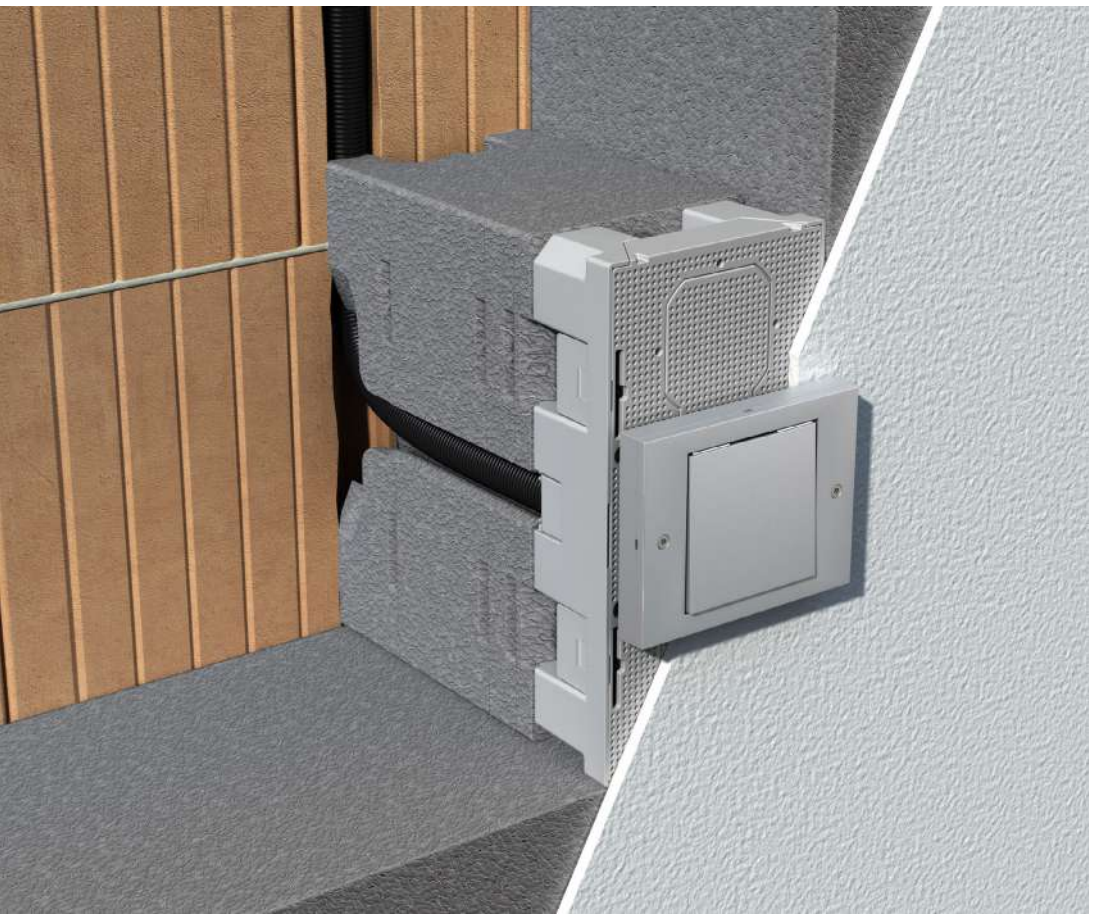
Both products are also suitable for combinations of up to three devices. The **universal equipment carrier for combination inserts** features a front plate with covers that can be removed at a later date to accommodate the desired combination. Optional combination one-gang boxes are available for the telescope switch box to allow for expansion.

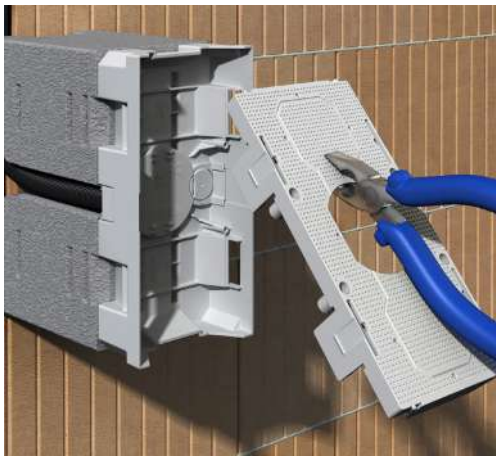
- Secure mechanical fixing to masonry
- Preventing heat bridges
- Flexible adaptation to the insulation thickness
- Combinations of up to three are possible

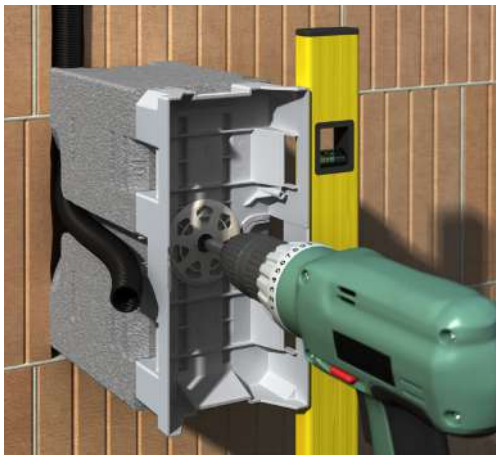




The **telescope switch boxes** offer greater flexibility during installation and can be easily connected to form multiple combinations.







The **system equipment carrier with multi-device insert** is suitable for insulation thicknesses of 160–310 mm. Its modular design and the ability to assemble the individual components in 10 mm increments allow for flexible adaptation to the insulation system.

Quick and easy fixing using the screw-in wall plugs supplied ensures that the equipment carrier is securely and permanently anchored to a wide range of surfaces.

The **multi-device installation** allows for the installation of individual devices, but also enables the combination of devices in 2-unit or 3-unit configurations .

- Quick and mechanically secure fixing to masonry
- Modular adaptation to the insulation thickness
- Combinations of up to three are possible
- 2 product variants enable a wide range of applications

Universal equipment carrier for combination inserts
1159-26



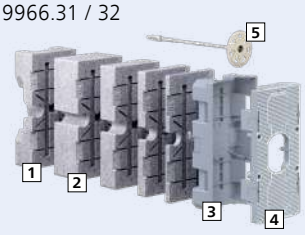
Telescope switch box
1159-61



Combination one-gang box
1159-62



System equipment carrier with multi-device insert
9966.31 / 32



1 Basic element
2 Intermediate elements
3 Housing base
4 Front plate
5 Screw anchors



For LED built-in luminaires and built-in devices in insulated ceilings. **Installation housing ThermoX® Iso +.**

The **ThermoX® Iso +** installation housing is the ideal solution for installing LED luminaires and installation accessories in external ceilings with a composite thermal insulation system (ETICS). It provides a secure installation housing for LED luminaires with a power rating of up to 8 watts, as well as the ballast device. The installation housing is suitable for all common insulation materials, such as: wood fibre insulation, foam glass, mineral foam or expanded polystyrene (EPS).

It enables the safe and thermal-bridge-free installation of fixed and swivelling LED built-in luminaires in insulated ceilings. The housing protects the surrounding insulation material from the high operating temperatures of the LED luminaire and also protects the LED luminaire itself from dirt.

The integrated insulation element reliably prevents heat bridges. Insulation thicknesses ranging from 100 mm to 160 mm can be adjusted in 10 mm increments simply by trimming the housing. The installation depth for the LED luminaire or other installation accessory ranges from 70 mm to 130 mm, depending on the set insulation thickness. For insulation thicknesses of 170 mm to 350 mm, the extension element is simply fitted behind the installation housing. The extension element is also adjustable in 10 mm increments.

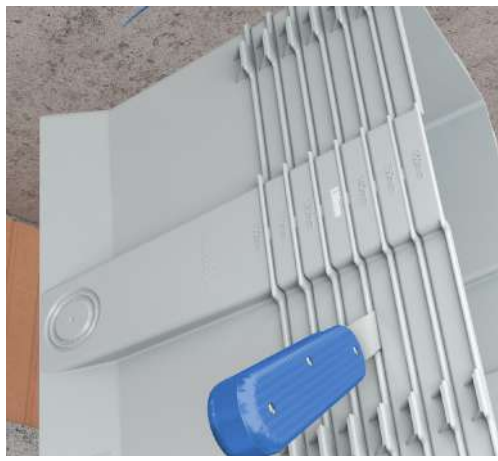
The front plate is available with a fixed installation diameter of 68 mm for hammering in, or with a universal mounting surface up to ø 86 mm for a cutout.

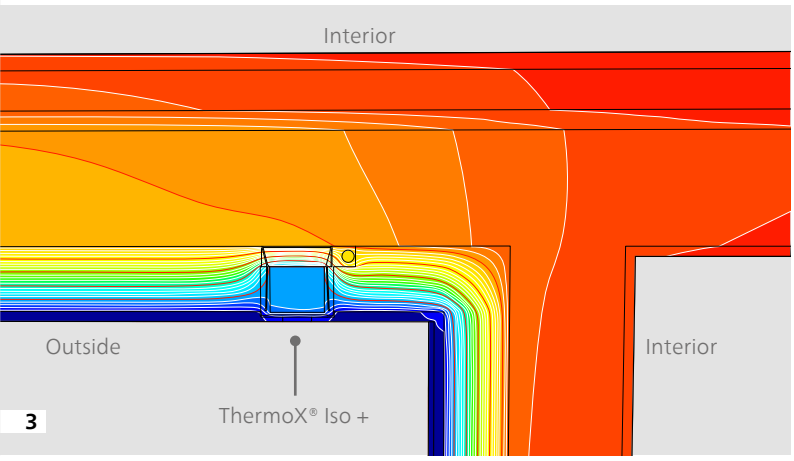
BAKA Award

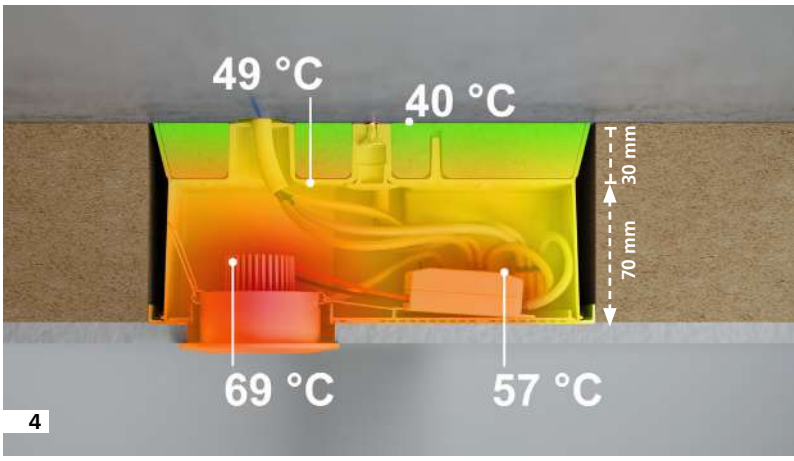
With the **"BAKA Product Innovation Award 2019"**, the BAKA (Federal Association for the Renovation of Existing Buildings) and Messe München, under the patronage of the Federal Minister of the Interior, Building and Home Affairs, recognised forward-looking product ideas and system solutions specifically designed for use in construction in the existing context.











1 The **ThermoX® Iso + installation** housing can be used individually or in a group configuration. A wide range of options for conduit and wire entry.

2 The housing is suitable for insulation thicknesses of 100–160 mm – and up to 350 mm with extension elements.

3 A **heat bridge calculation** by the Passive House Institute in Darmstadt shows that the additional heat losses caused by the structural heat bridge can be offset in the high-performance new-build sector. The installation housing is also suitable for use in passive houses.

4 Temperature profile: ThermoX® Iso + installation housing for external insulation (ambient temperature 25 °C) with 8-watt LED lighting.



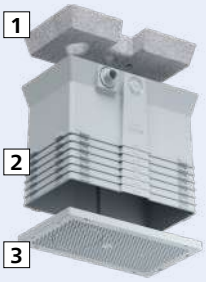




Fixed installation diameter of 68 mm for hammering in, or custom shapes can be milled for a cutout with a maximum diameter of 86 mm.

Installation housing ThermoX® Iso +
1159-70

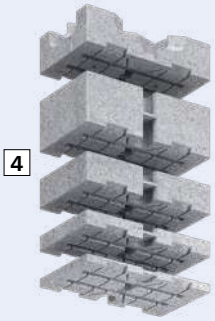






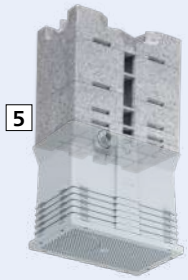
1 Insulation element
2 ThermoX® Iso +
3 Front plate

Extension element
1159-71



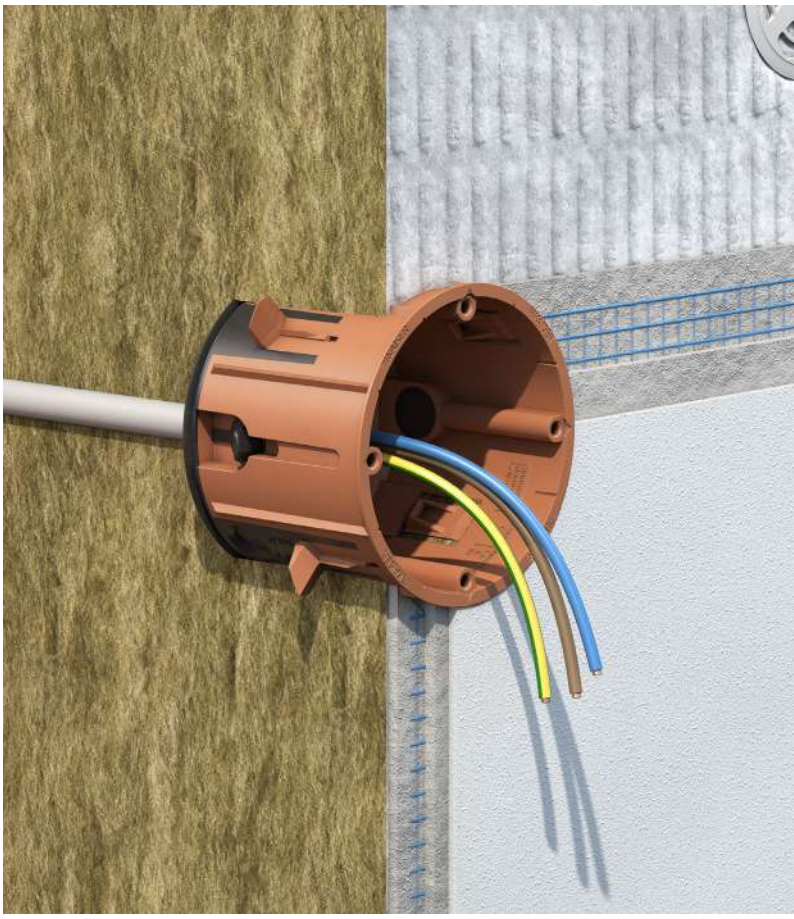
4 Extension element

Combination
1159-70 + 1159-71



5 ThermoX® Iso + with extension element





For wood fibre and rock wool.
ECON® Iso +.

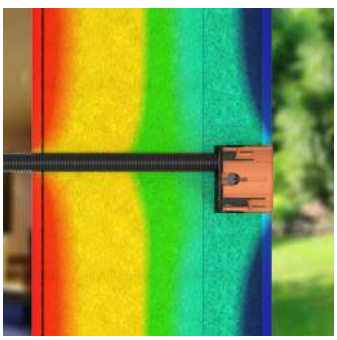
The **ECON® Iso + one-gang junction box** is the solution for electrical installations in wood fibre and rock wool insulation panels. Specially designed for use in rigid heat-insulating and render base panels, four swivels ensure secure anchoring – and it can even be fitted retrospectively!

The elastic sealing membrane of the **ECON® technology** guarantees air tightness and allows conduits or electric cables to be inserted toolless. This enables switches, sockets, intercom systems and much more to be installed permanently, securely and without thermal bridges.

- Air-tight and thermal-bridge-free electrical installation (Certificates in accordance with the relevant standards are available)
- Suitable for pressure-resistant insulation boards with a thickness of 60 mm or more
- 4 swivels for secure mechanical anchoring
- Combinations can be created



Verified. The thermal bridge calculation and the air tightness verification confirm the suitability of the **ECON® Iso +**.



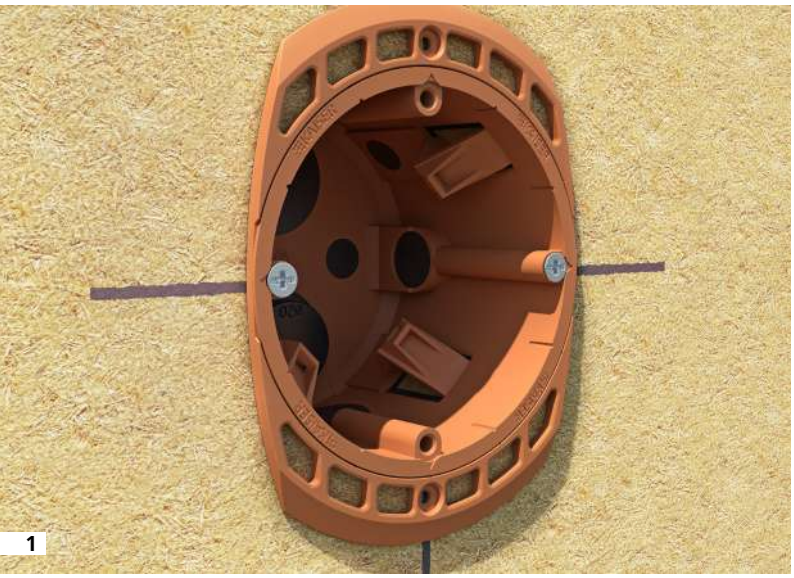


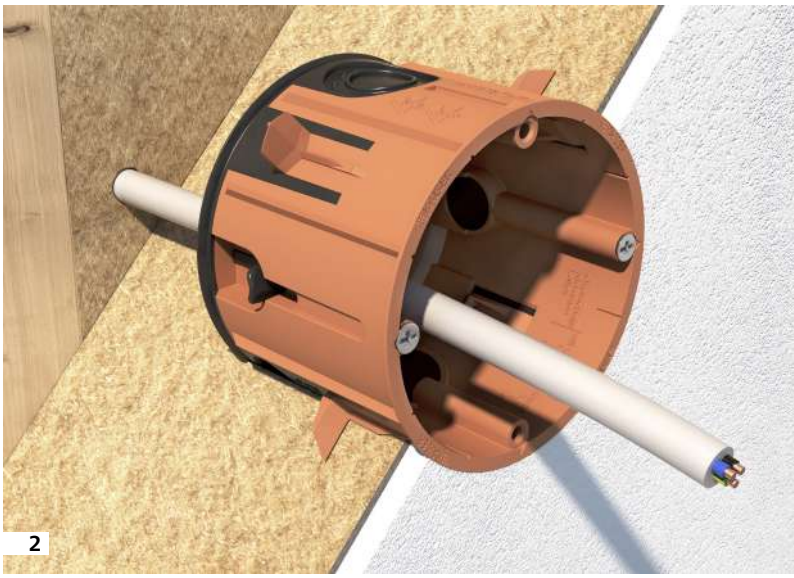
B+B Bauen im Bestand
Produkt des Jahres 2019
Sieger in der Kategorie Energetische Sanierung

PRODUKT 2019 DES JAHRES
elektrobörse smarthouse

BAKA Award

Winner of three awards in 2019

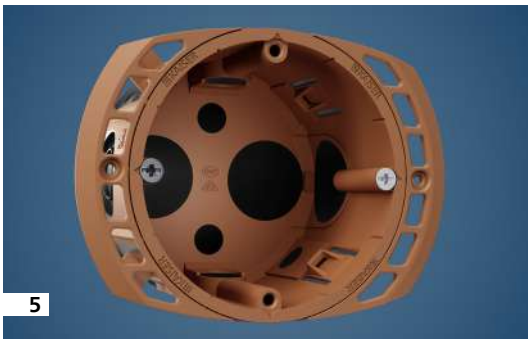

1


2



3


4


5

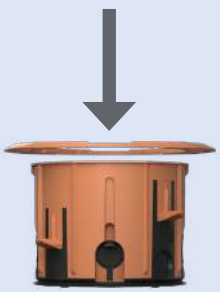
1 Installation in an unplastered insulation board – use an installation frame.
2 Installation in a plastered insulation board is possible even where there is an existing electric cable.
3 The membrane used for sealing the swivels ensures air tightness.

4 A wide range of installation options with **ECON® technology** for pipes and electric cables.
5 Ample installation space and four attachment points for the user-friendly installation of installation accessories.

Wood fibre insulation materials



For installation in wood fibre insulation materials, both before and after plastering.



One-gang junction box ECON® Iso +

Synthetic insulation materials

For retrofitting in external thermal insulation composite systems (ETICS) using synthetic insulation materials (z. B. EPS).

See page 40



One-gang junction box ECON® Styro55

One-gang junction box ECON® Iso +
1159-55

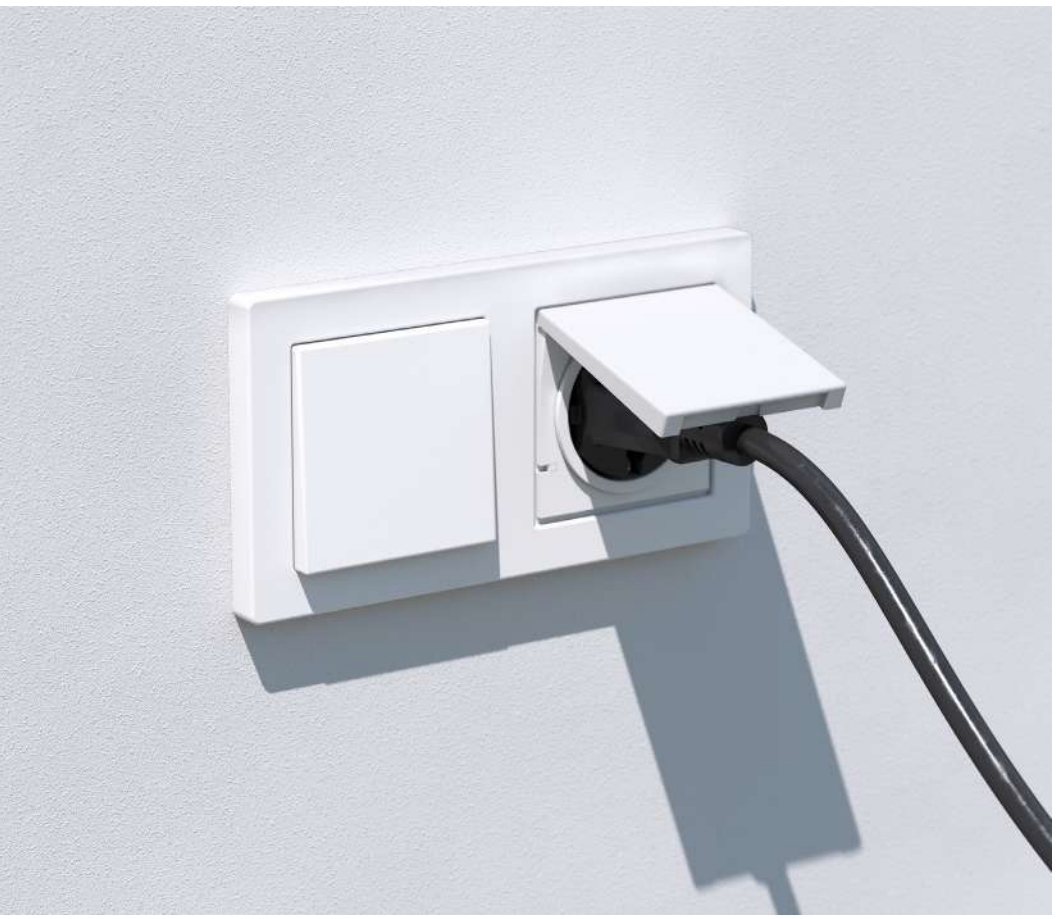


Setting tool
1090-22

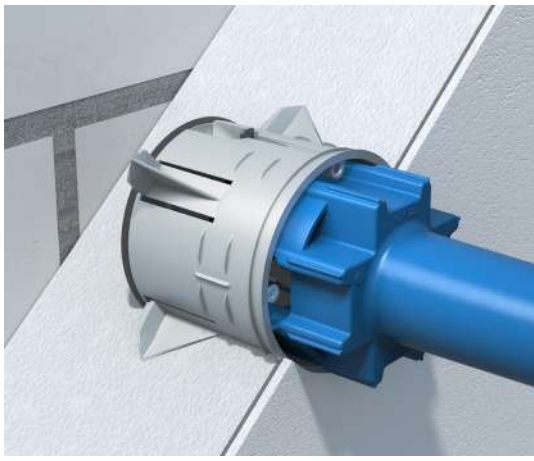


Connection connector
9060-88









Securely fixed without any heat bridges. **ECON® Styro55.**

The ECON® Styro55 one-gang junction box enables the retrofitting of installation accessories such as sockets and switches in organic composite thermal insulation systems (ETICS). Quick, safe and without heat bridges. The box can be fitted and secured in just a few simple steps.

- For retrofitting in insulated façades
- Milling system prevents damage to pipes
- Guaranteed thermal bridge-free installation
- 4 swivels for secure fastening
- No moisture ingress

The **telescope equipment carrier** is also suitable for ceiling mounting, e.g. for securely fixing luminaires to an insulated cellar ceiling. Using the **KAISER hardened metal cutter 180** (Ø 68 mm) and the centering aid, the external thermal insulation composite system is cut to exact size and only as deep as necessary. The existing electric cable is not damaged. The **ECON® technology**, with its toolless and air-tight insertion, prevents cold draughts from reaching the masonry when electric cables are routed directly through it. After pressing it into the ETICS, the box is secured using the **KAISER setting tool**. The swivels cut firmly into the insulation material, providing the box with a permanently secure hold.

Wood fibre insulation materials



For installation in wood fibre insulation materials, both before and after plastering.

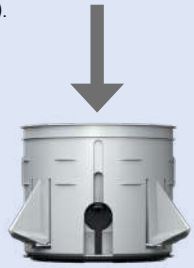
See page 39



One-gang junction box ECON® Iso +

Synthetic insulation materials

For retrofitting in external thermal insulation composite systems (ETICS) using synthetic insulation materials (e.g. EPS).



One-gang junction box ECON® Styro55

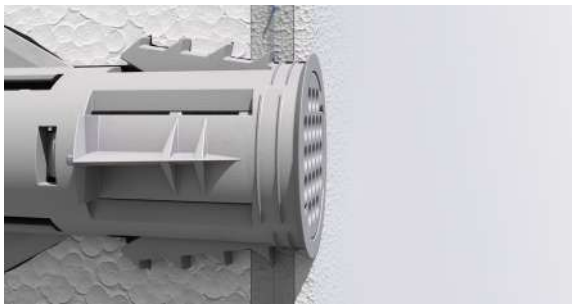
One-gang junction box ECON® Styro55
1555-51

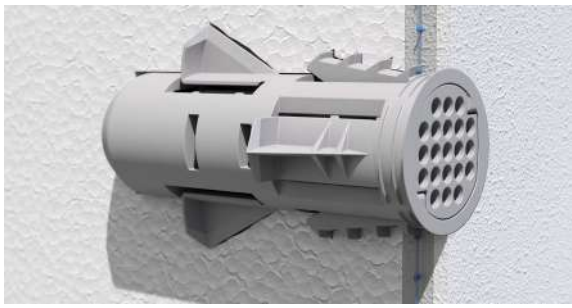


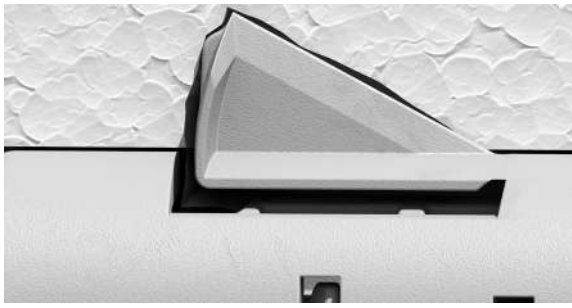
Setting tool
1090-22











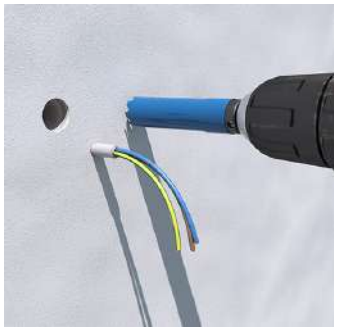
Flush mounting without a heat bridge.
Mini equipment carrier.

The mini equipment carrier is ideal for the secure, flush-to-wall fixing of devices such as luminaires, cameras, motion detectors, letterboxes and many other systems that are to be fixed to already completed external thermal insulation composite systems.

- For retrofitting in insulated façades
- 4 swivels for secure fastening
- Precise, flush alignment of accessories
- Guaranteed thermal bridge-free installation
- No ingress of moisture

The mini equipment carrier consists of two parts and can be securely anchored to the external thermal insulation composite system (ETICS) in just a few simple steps. It is suitable for medium-density wood fibre insulation boards, mineral foam boards, foam glass and expanded polystyrene insulation materials. The special screw-on surface allows for precise alignment – a major advantage over conventional fixings, particularly when multiple fixings are required.

The KAISER hardened metal cutter (Ø 20 mm) cuts exactly into the ETICS. The anchor sleeve is driven in, followed by the attachment core. The swivels anchor themselves in the insulation material, providing a secure fit for the mini equipment carrier.







Mini equipment carrier
1159-50





Air-tight installation



Ø 68 mm

One-gang box O-range ECON® Evo
9263-23



Ø 68 mm

One-gang junction box O-range ECON® Evo
9264-23



2x Ø 68 mm

One-gang junction box O-range ECON® 2
9252-22



3x Ø 68 mm

One-gang junction box O-range ECON® 3
9253-22



4x Ø 68 mm

One-gang junction box O-range ECON® 4
9254-22



Ø 68 mm

Conduit connection box O-range ECON®
9266-22



Ø 120 mm

Junction box Ø 120 mm O-range ECON®
9273-92



Ø 68 mm

One-gang junction box O-range ECON® Fix
9264-12



Ø 68 mm

Electronics box O-range ECON® Flex
9268-94



Ø 68 mm

O-range ECON® Data
9280-22

Basic installation



Ø 68 mm

One-gang junction box
9066-01



Ø 68 mm

Device connection box Solid wood
9066-12



Ø 68 mm

One-gang box for thin boarding
9263-13



Ø 74 mm

One-gang box CEE
9075-12



2x Ø 68 mm

Electronics-Dose
9062-94



Ø 35 mm

Wall light connection box
9248-01

Installation housing



Ø 74 mm

ThermoX® LED
9320-10



Ø 74 mm

ThermoX® LED
9320-11



Ø 86 mm

ThermoX® LED
9320-20



Ø 86 mm

ThermoX® LED
9320-21



EnoX®-Luminaires and speaker enclosures
9350-21



EnoX®-Sealing foam frame
9350-99



Ø 120 mm

Installation housing O-range ECON® Universal 120
9273-50



Ø 120 mm

ThermoX® Housings for LV and HV luminaires
9300-01/02/03



Ø 120 mm

ThermoX® Universal housing with mineral fibreboard
9300-22



ThermoX® Decorative panels
9301-...



ThermoX® Front rings, sold individually
9300-41/42/43



ThermoX® Universal front part
9300-93

Installation housing



Air-tight seals for electric cables
9059-...



Air-tight seals for conduits
9059-...



Multi-cable sleeves ECON®
9059-61



Multi-conduit sleeves ECON®
9059-62



Aluminium butyl sealing sleeves for electric cables
9079-...



Aluminium butyl sealing sleeves for conduits
9079-...



Fleece butyl sealing sleeves for electric cables
9089-...



Fleece butyl sealing sleeves for conduits
9089-...



Adhesive primer
9000-02



Sealing plug M16/20/25/32/40
1040-16/20/25/32/40

Flush-mounting | air-tight products



One-gang box UP¹ ECON® Fix
1055-26



Device junction box UP¹ ECON® Fix
1555-26



Electronic-Dose UP¹ ECON® Fix
1068-26



Two-gang junction box UP¹ ECON® Fix
1656-26



One-gang box UP¹ ECON®
1055-25/1056-25



Device junction box UP¹ ECON®
1555-25/1556-25



Electronic-Dose UP¹ ECON®
1068-25



Two-gang junction box UP¹ ECON®
1656-25

Tools | Accessories



Ø 68 mm
Ø 74 mm

PROFI Cutters
1081-10/1081-20



Ø 68 mm
Ø 74 mm

EXPERT Milling Cutters
1082-30/1082-40



Dust extraction system for PROFI or EXPERT cutter heads
1088-50



Quick-release ejector for PROFI or EXPERT cutter heads
1083-81



Centering insert 68/74
1083-99



Ø 68 mm

BASIC Cutters
1084-86



Ø 24-68 mm
Ø 65-120 mm

VARIOCUT
1089-00/10



Universal opening cutter
1085-80



Drilling template
1190-65



Profix distance cutter with / without dust extraction
1083-27/1083-25



Dust extraction
1088-16/21/41

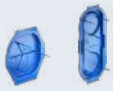


Ø 68 mm
Ø 82 mm

Diamond grinding head for dust extraction
1088-02/03



Distance support
1159-35/ 33



Signal cover UP¹
1181-65 / 1181-16



Plaster compensation rings
155-63 / 64



Universal VDE Cover
1184-90



Connection connector
9060-98

Sealing insert
1040-01



Sealing foil
9060-41

Installation in insulation systems



Internal insulation box
1159-90



Universal equipment carrier
1159-24



Extension element
1159-27

Telescope equipment carrier
1159-60

System equipment carrier 160 - 240 mm
9966.21

Installation housing ThermoX® Iso +
1159-70

Extension element
1159-71

Ø 24-68 mm
Ø 65-120 mm

Universal equipment carrier for combination inserts
1159-26

Telescope switch box
1159-61

Combination one-gang box
1159-62

System equipment carrier 160 - 240 mm
9966.31

One-gang junction box ECON® Iso +
1159-55

Ø 68 mm

One-gang junction box ECON® Styro55
1555-51

SO Box Set
1155-03

ISO extension ring
1155-02

Mini equipment carrier
1159-50

SPECIAL ETICS cutter Ø 20 x 80 mm
1088-06

SPECIAL cutter WDVS Ø 68 x 180 mm
1088-07

Setting tool Styro55
1090-22

Centering aid Ø 68 mm
1090-68

halogen-free

All KAISER boxes and casings for cavity wall installation, as well as many accessories, are available as halogen-free products in the programme. These products are available in white as a distinctive feature.

Systems and solutions for professional electrical installation work.

KAISER has been developing and producing systems and products as the basis for professional installation work since 1904. Planners and fitters all over the world use our practice-oriented solutions for their daily work in all installation areas.



Energy efficiency.

Innovative KAISER products help you ensure compliance with the requirments of EU Directives and national regulations, such as the German Energy Act for Buildings (GEG, formerly EnEV).



Radiation protection.

The use of the new radiation protection boxes allows the radiation protection of the wall to be maintained without additional shielding measures.



Fire protection.

KAISER fire-protection systems provide reliable solutions for electrical installations in fire-protection walls and ceilings.



Construction.

KAISER has matching product system solutions for safe, durable and practical use in redevelopment, renovation and modernisation projects.



Sound insulation.

KAISER's innovative sound insulation boxes ensure compliance with the construction requirements for sound insulation walls, as well as for built-in installations.



Concrete construction.

Complete systems for on-site mixed concrete and precast concrete. Fully optimised to professional electrical installation work.

Technical information and advice

All further information on products, system solutions and communication media can be found on our website: **www.kaiser-elektro.de**

For any additional questions or information, please do not hesitate to contact our technical support team who will be happy: **+49 (0) 23 55 / 809-61** · **technik@kaiser-elektro.de**

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