Light shaft installation made simple on insulation

ACO Therm® Block assembly panel

for light shaft assembly without thermal bridges

ACO. creating the future of drainage

The ACO system chain creates the drainage solutions for the environmental conditions of tomorrow

Increasingly extreme weather events require ever more complex drainage concepts. To this end, ACO creates clever system solutions, which function in both directions: they protect people from water – and vice versa. Each ACO product within the ACO system chain secures the direction of the water with the objective of being able to recover it in a way that makes ecological and economic sense.

Within the ACO Group, ACO Building Material supports the global system chain with protective construction elements and drainage systems for modern and sustainable architecture in the private and commercial building construction sector.

ACO Therm® Block with window cut-out for water pressure-tight light shaft assembly

ACO Therm® Block HWD with window frame

Each ACO Building Material product supports the ACO system chain

collect:
Collect and carry

- Drainage channels and yard gullies
- Facade drainage channels
- Bath drainage
- Floor gullies
- Well covers

clean:
Pre-clean and treat

- Doormats

hold:
Hold and retain

- Basement window
- Water pressure-tight light shafts
- Backflow systems
- Surface water harvesting

release:
Pump, discharge and reuse

- Infiltration
- Lifting Plant

ACO Therm® Block
Light shaft assembly on insulation made easy

The climate is altering all the time and requires future-oriented innovations. This is why the ACO cellar protection programme has been supplemented with an intelligent component. Flood-resistant*, backflow-proof – and now also thermally insulated – with the new ACO Therm® Block assembly panel.

ACO Therm® Block is available for standard assembly and for water pressure-tight light shaft assembly. The ACO Therm® light shaft can be simply and safely secured on the assembly panel directly. Thermal-bridging free and no drilling required. The significantly simplified workmanship of the perimeter insulation and the fact that no plastering or painting is necessary additionally saves both costs and time.

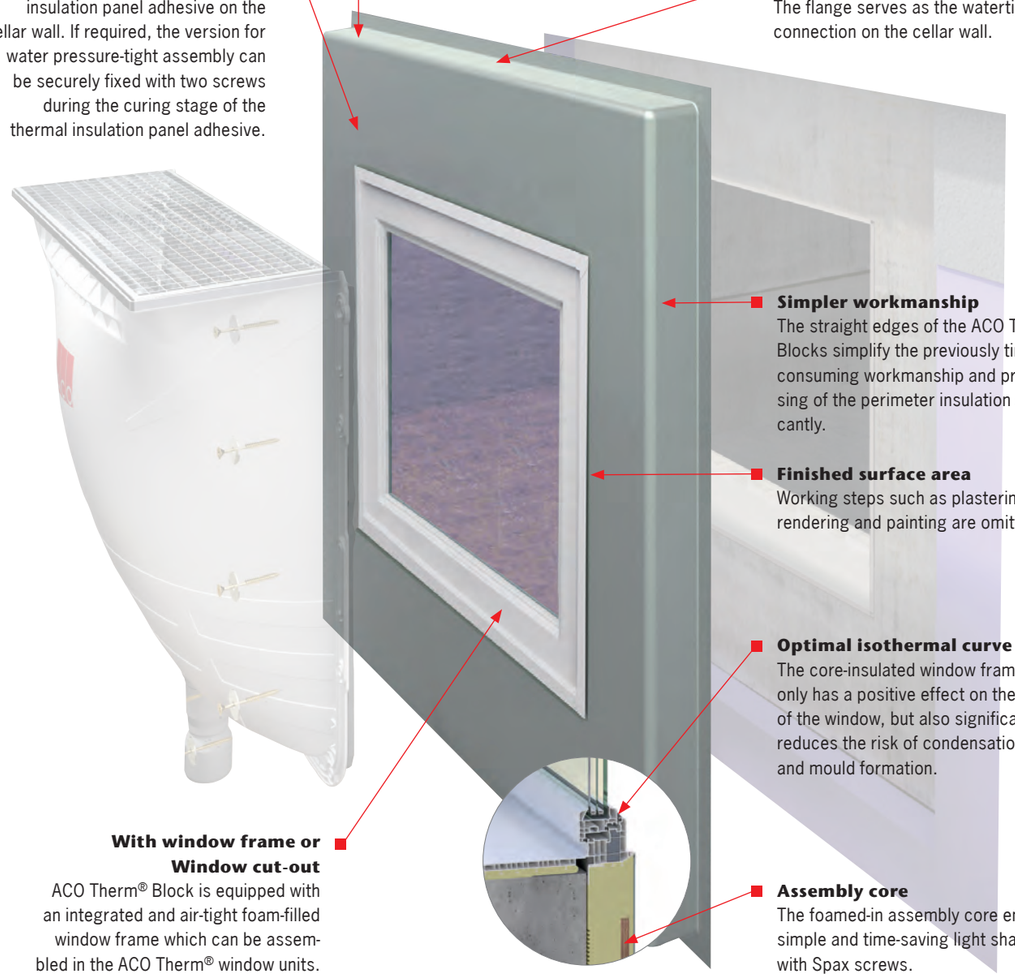
ACO system chain in action

*24 h test as per ift Guidelines FE-07/01, test report 14-002562-PR01 available for viewing under: www.aco-hochbau.de/service/zertifikate

ACO Therm® Block assembly panel
Highly insulating PUR foam enables a simple, thermal-bridging free and water pressure-tight light shaft assembly on thermal insulation. Also available for standard assembly.

Fast assembly
ACO Therm® Block is adhered as thermal bridging free with thermal insulation panel adhesive on the cellar wall. If required, the version for water pressure-tight assembly can be securely fixed with two screws during the curing stage of the thermal insulation panel adhesive.

Circumferential sealing flange
The flange serves as the watertight connection on the cellar wall.



Simpler workmanship
The straight edges of the ACO Therm® Blocks simplify the previously time-consuming workmanship and processing of the perimeter insulation significantly.

Finished surface area
Working steps such as plastering, rendering and painting are omitted.

Optimal isothermal curve
The core-insulated window frame not only has a positive effect on the U-value of the window, but also significantly reduces the risk of condensation water and mould formation.

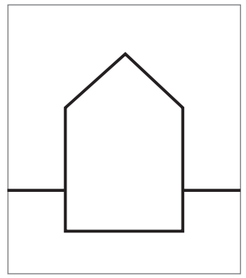
With window frame or Window cut-out
ACO Therm® Block is equipped with an integrated and air-tight foam-filled window frame which can be assembled in the ACO Therm® window units. The assembly panel is available with a window cut-out as an alternative.

Assembly core
The foamed-in assembly core enables simple and time-saving light shaft assembly with Spax screws.

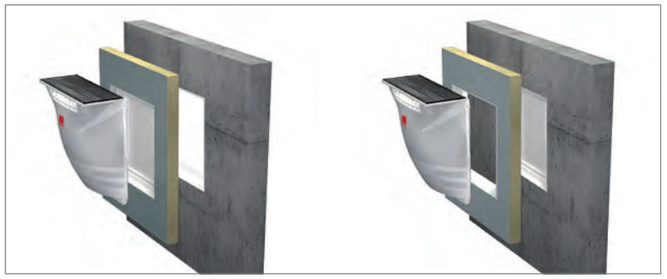
*24 h test as per ift Guidelines FE-07/01, test report 14-002562-PR01 available for viewing under: www.aco-hochbau.de/service/zertifikate

Cellar situation/ geografic situation

ACO Therm®
Flexibly combinable for new construction and renovation

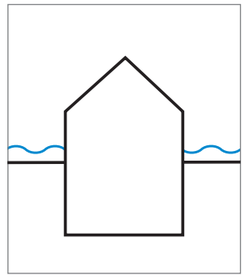


No surface water,
No pressurised water

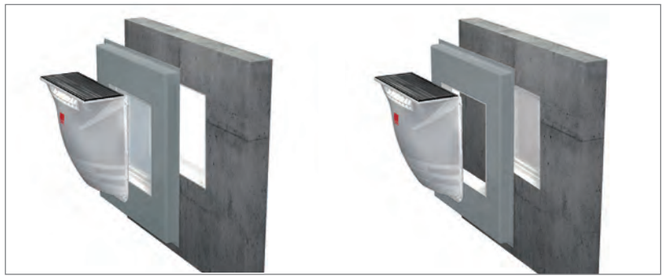


ACO Therm® Block Standard with integrated ACO Therm® window

ACO Therm® Block Standard with window cut-out for ACO Therm® window in the cellar wall

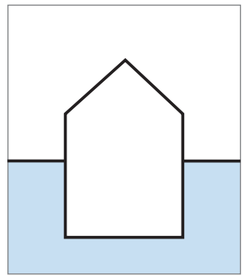


With surface water
No pressurised water

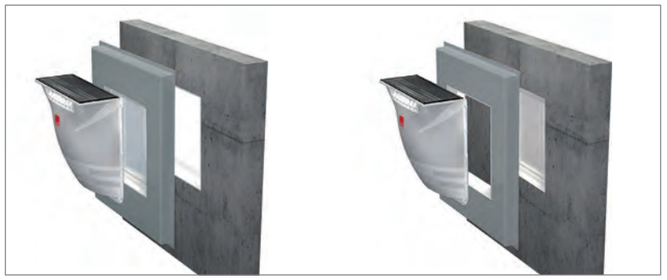


ACO Therm® Block water pressure-tight version with integrated flood–proof* ACO Therm® window

ACO Therm® Block water pressure-tight version with window cut-out for floodproof* ACO Therm® window in the cellar wall

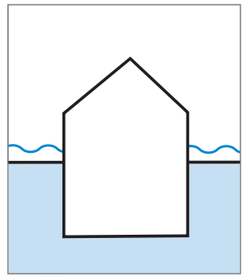


No surface water,
With pressurised water

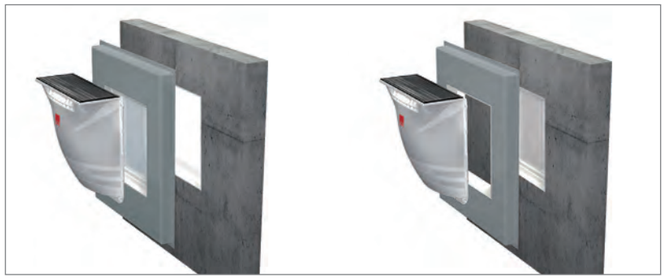


ACO Therm® Block water pressure-tight version with integrated ACO Therm® window as standard configuration

ACO Therm® Block water pressure-tight version with window cut-out for ACO Therm® window in the cellar wall



With surface water
With pressurised water



ACO Therm® Block water pressure-tight version with integrated flood-proof* ACO Therm® window

ACO Therm® Block water pressure-tight version with window cut-out for flood-proof* ACO Therm® window in the cellar wall

Fast and safe

with the ACO Therm® system

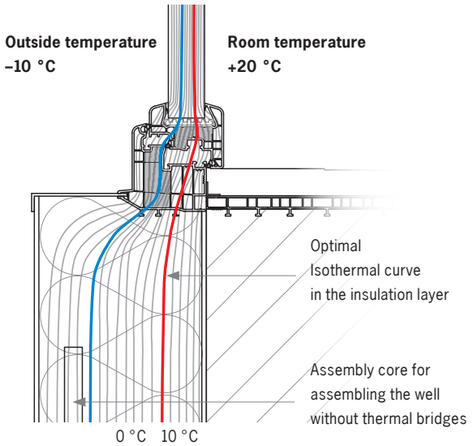
Advantages of this complete system

- Sensitive cellar window cut-out and light shaft – are now just one trade due to ACO Therm® products
- Fast assembly of the cellar light shaft on the cellar wall - no drilling or thermal bridges
- Precisely fitting connection of the insulation to the assembly panel
- Free light shaft connection
- No plastering or rendering work inside-light shaft
- Connection to the terrace or patio without large step and thermal bridges
- Optimum lighting thanks to adaptable-gratings

Uniform design in the system
In addition to the technical coordination of simple assembly steps required for the ACO Therm cellar system, the uniform subtle design is also immensely important. Even the most inexperienced building owner can see that everything matches and that this is a well thought through solution. They not only get a technically mature solution, but also a good feeling. But apart from these emotional reasons, there are some facts that speak for the ACO Therm® Design:

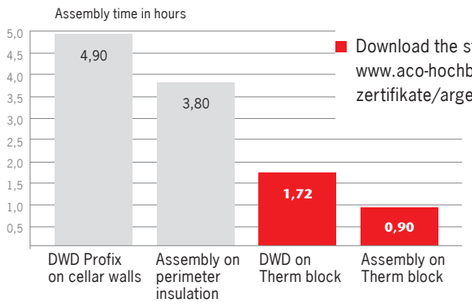
- Traffic white offers the best possible reflection in the light shaft and brings a lot of light into the cellar room
- optimal glass surface size of the ACO Therm® 3.0 thanks to the subtle design of the window profile
- Insulation connection profile and ACO Therm® reveal windows merge into one unit thanks to the simple click system – matches the insulation thicknesses of the ACO Therm® Blocks

Isothermal curve for the ACO Therm® Block



EnEV2014: Planning and building for the future systematically
When the amendment to the Energy Saving Ordinance (EnEV), which was passed by the federal government in October 2013, came into effect on 1st January 2016, the specifications relating to the energy quality of buildings and efficient use of energy were increased again. It is the responsibility and task of the planners, builders, operators of buildings and construction product manufacturers to always consider this. Maintaining property values is clearly linked to compliance with stringent energy standards.

A systematic approach to certified speed and planning security
When developing the system solution for cellar windows and light shafts, the first practical objects clearly showed that a lot of time could be saved on the construction site by using the ACO Therm® cellar system. And time is money.
These statements were confirmed by an independent body, the ARGE//eV (Arbeitsgemeinschaft für zeitgemäßes Bauen e.V., Kiel)



- Download the study at: www.aco-hochbau.de/service/zertifikate/arge-ev

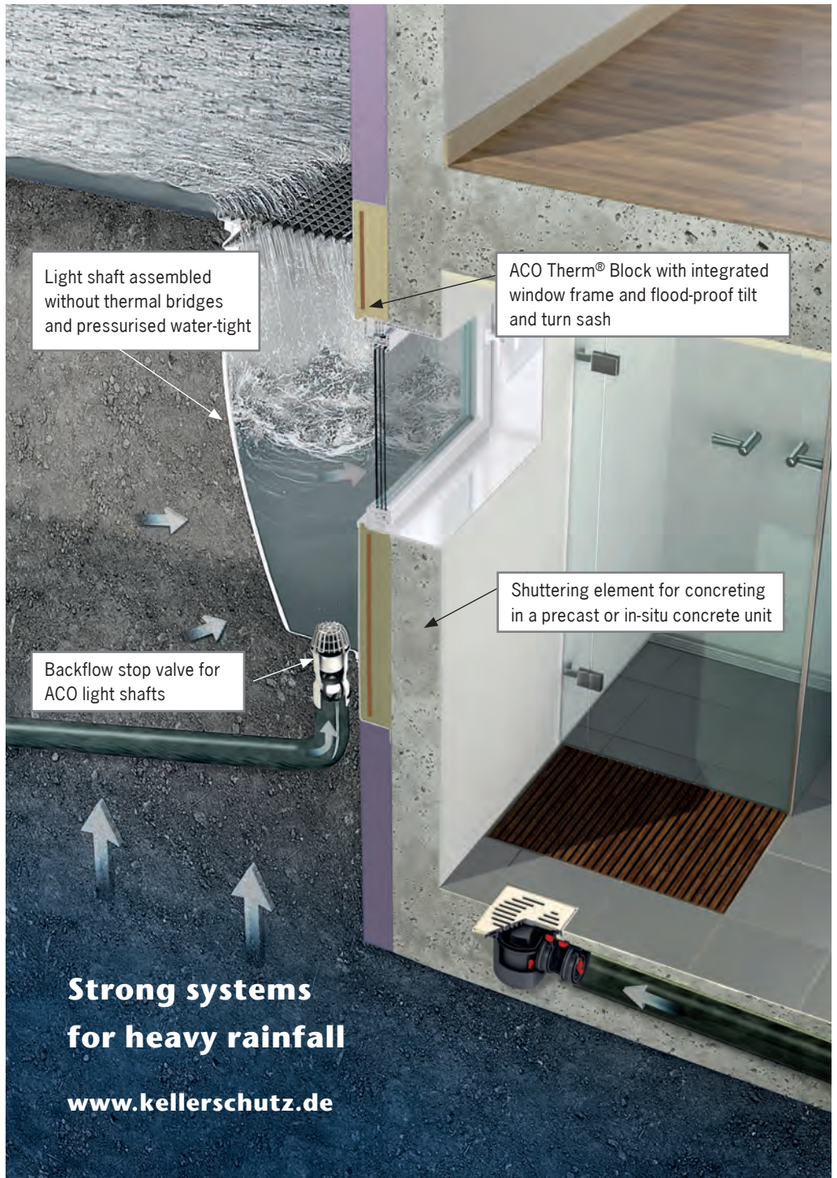
ACO Therm® system components

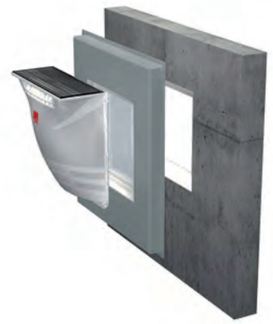
in the water pressure-tight version

Protecting values securely: ACO offers safe protection for your cellar and therefore for your valuable assets The cellar protection system, comprising the ACO Therm® Block with integrated flood-proof* windows, water pressure-tight assembled ACO Therm® light shaft and the ACO light shaft drainage and ACO backflow safety valves, ensure light, dry and warm cellar rooms.

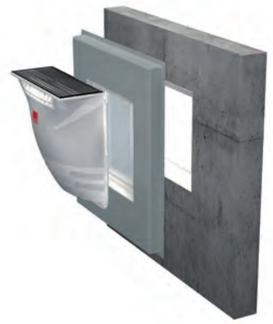
A flood-proof * ACO Therm® window is required if large quantities of surface water can enter the light shaft in addition to pressing ground water.

*24 h test as per ift Guidelines FE-07/01, test report 14-002562-PR01 available for viewing under: www.aco-hochbau.de/service/zertifikate





- ACO Therm® Block DWD with integrated ACO Therm® window standard configuration



- ACO Therm® Block DWD with integrated flood-proof* ACO Therm® window

- ACO Therm® Block DWD with window cut-out for ACO Therm® window in the cellar wall (optionally in standard or flood-proof* version)

ACO Therm® system components in the standard configuration

1 ACO Therm® 3.0 Reveal cellar window

A large part of the heat in a building escapes through poorly insulated windows. The ACO Therm® 3.0 reveal window for the cellar can also play a role reducing the annual primary energy needs and transmission heat loss even more than specified by the EnEV 2014. Thanks to its 4-chamber plastic leaf, the 5-chamber plastic panel frame with Thermbank and the profile depth of 82 mm, a heat transmission coefficient Efficiency for living room windows is reached.
An additional core insulation makes the ACO Therm® 3.0 fit for passive houses. Good insulation values of the window profile enable assembly without any additional insulation in the reveal area. The integrated windows and base sill with concrete claws enable time-saving processing and prepared connections for perimeter insulation and other wall surfaces.

Standard window version

- Standard window Ug = 0.6 W/(m²K), Uw = 0.83 W/(m²K)
- ACO thermal bridge catalogue which shows the connection details – as a download at www.aco-hochbau.de/produkte/kellerfenster
- With modern triple glazing
- Largest possible glass surface for optimum light intake, reinforced by pure white ACO Therm® light shaft
- Optimum thermal insulation thanks to 82 mm construction depth

2 ACO Therm® Block assembly panel with insulation connection profile

Due to the ACO Therm® Block assembly panel, the interface around the cellar window and the light shaft becomes a clearly matched unit and unifies all trades into one. The assembly plate ACO Therm® Block made of high-insulating PUR foam is adhered to the wall without screws to match the ACO Therm® reveal window so that no thermal bridges are created. Due to the integrated assembly core of the PUR foam board, the ACO Therm® light shaft can be assembled easily, saving both time and money, and also without any thermal bridges to ensure optimum thermal insulation.
Due to the plastic surface, no plastering or painting is necessary. This also saves time and money thanks to the easier handling of the perimeter insulation.
The ACO Therm® Block is also available with an integrated ACO Therm® window.

ACO Therm® Block standard with window cut-out

- Insulation thicknesses standard 80, 100, 125, 140, 160, 180, 200 mm
- Board sizes 1230 mm x 1100 mm, 1230 mm x 1400 mm and 1500 mm x 1400 mm (can be turned thanks to continuous assembly core)
- Thermal bridging-free light shaft assembly
- Freely positionable light shaft
- Finished surface
- No need to render and paint in the light shaft
- Thermal conductivity 0.025 W/(mK)

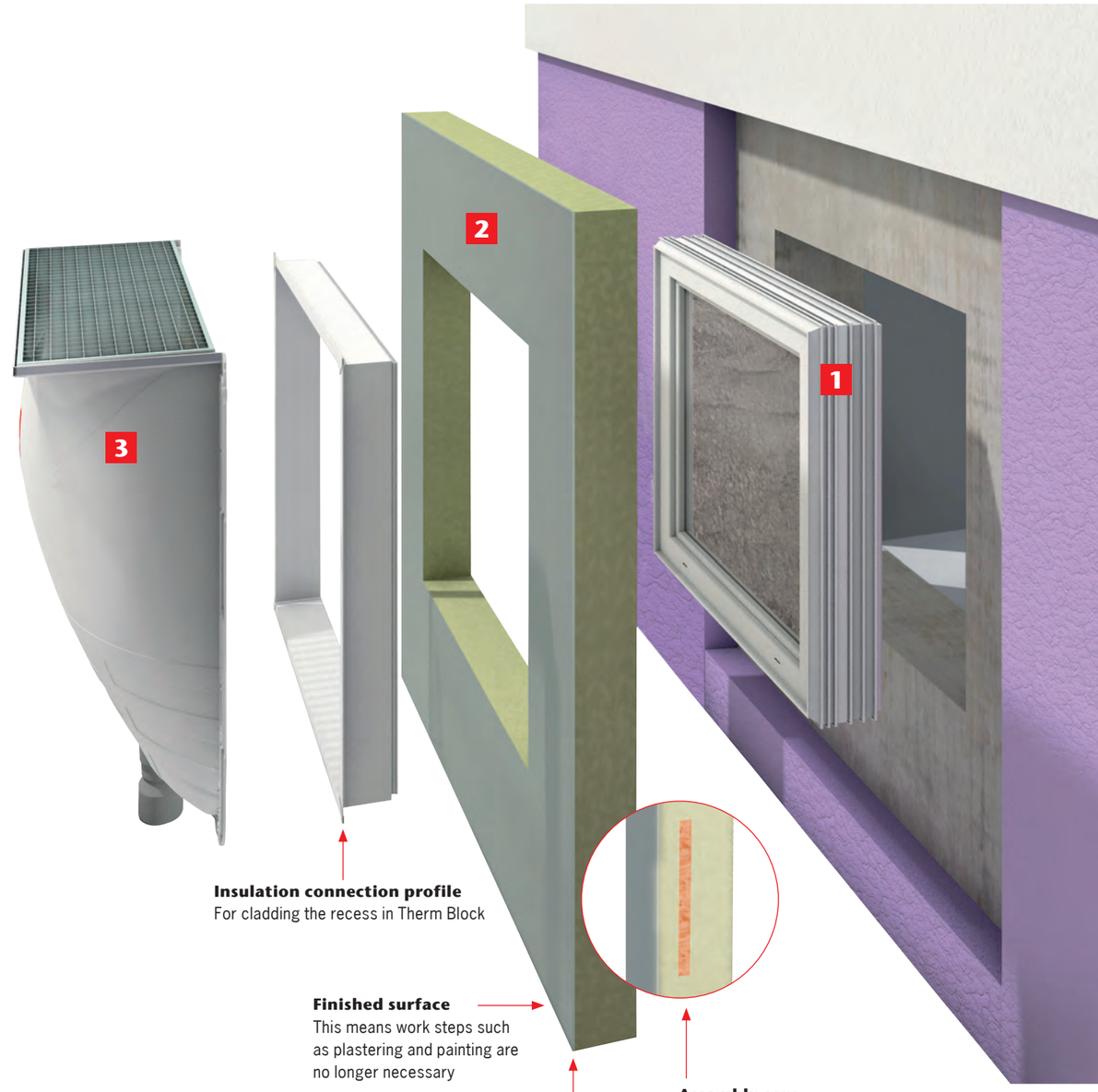
3 ACO Therm® Light shaft

The ACO Therm® light shaft is made of polypropylene or glass fibre-reinforced plastic which lends it its high form stability. The light shaft can be utilised both in standard areas and also where there is pressing water. Due to the height-adjustable or fixed extension element, new or even existing ACO Therm® light shafts can be adjusted to existing or modified ground levels in a few simple steps.

ACO light shafts

- High-white inner surface and therefore plenty of light in the cellar
- High self-cleaning effect
- ACO Therm® backflow stop as a module with odour trap and backflow safety valve possible.
- Easy one-man assembly possible thanks to ACO Therm® spirit level.
- Shorter and longer gratings ensure a good connection to the base
- Can be walked and driven over (1.5 kN - 9 kN loadable)
- Light shaft covers, leaf and insect protection as accessories.

ACO Therm® Block



Insulation connection profile
For cladding the recess in Therm Block

Finished surface
This means work steps such as plastering and painting are no longer necessary

Straight edges
Facilitate the previously time-consuming processing of the perimeter insulation significantly

Assembly core
For simple and time-saving assembly of the light shaft with fast screws

ACO Therm® Block with integrated window frame

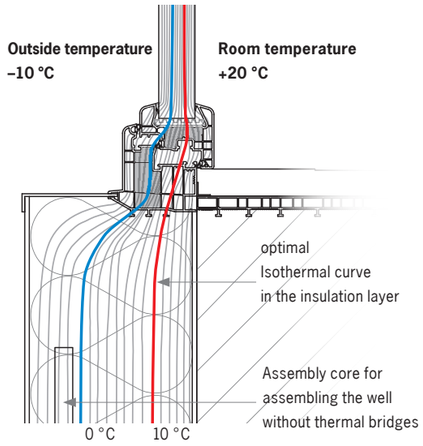
For light shaft assembly without thermal bridges and as water pressure-tight

ACO product advantages

- Window in the insulation layer
- Greatest possible light incidence through windows in the insulation level
- Optimal Isothermal curve
- Improved Uw-value due to window frame with slide-in bars
- Highly insulating PUR foam, Thermal conductivity 0.025 W/(mK)
- Cost and time-saving assembly
- Thermal bridging-free light shaft necessary
- Finished surface, plastering, rendering and painting in the light well not necessary
- Circumferential sealing flange for easy and controllable sealing gasket
- No thermal bridges around the window

- Light shaft assembling with Spax screws
- ABS tank-type design
- Airtight foamed-in window frame
- Installable light shafts
  - 1000 x 1000 x 400 mm
  - 1000 x 1300 x 400 mm
  - 1000 x 1000 x 600 mm
  - 1000 x 1300 x 600 mm
  - 1250 x 1000 x 400 mm
  - 1250 x 1300 x 600 mm

Isothermal curve for the ACO Therm® Block



ACO Therm® Block as water pressure-tight

Tested connection joint system according to ift directive MO-01/1:2007-01. Test report 10-000800-PR01 available for viewing under: www.aco.hochbau.de/zertifikate

Tested as water pressure-tight
Examination report UB.5.1/10-390 of MFPA Leipzig: "ACO Therm® Block - Application-technical leak test on different substrates" available at: www.aco.hochbau.de/zertifikate

Order information

Dimension Width [mm]	Dimension Height [mm]	Frame size Width x height [mm]	Required building shell opening in the cellar wall Width x height [mm]	Article No.
Insulation thickness: 100 mm				
1500	1400	800 x 600	810 x 610	**380280**
		1000 x 500	1010 x 510	**380281**
		1000 x 625	1010 x 635	**380282**
		1000 x 750	1010 x 760	**380283**
		1000 x 1000	1010 x 1010	**380285**
	1700	800 x 600	810 x 610	**380316**
		1000 x 500	1010 x 510	**380317**
		1000 x 625	1010 x 635	**380318**
		1000 x 750	1010 x 760	**380319**
		1000 x 1000	1010 x 1010	**380321**
Insulation thickness: 125 mm				
1500	1400	800 x 600	810 x 610	**380286**
		1000 x 500	1010 x 510	**380287**
		1000 x 625	1010 x 635	**380288**
		1000 x 750	1010 x 760	**380289**
		1000 x 1000	1010 x 1010	**380291**
	1700	800 x 600	810 x 610	**380322**
		1000 x 500	1010 x 510	**380323**
		1000 x 625	1010 x 635	**380324**
		1000 x 750	1010 x 760	**380325**
		1000 x 1000	1010 x 1010	**380327**
Insulation thickness: 140 mm				
1500	1400	800 x 600	810 x 610	**380292**
		1000 x 500	1010 x 510	**380293**
		1000 x 625	1010 x 635	**380294**
		1000 x 750	1010 x 760	**380295**
		1000 x 1000	1010 x 1010	**380297**
	1700	800 x 600	810 x 610	**380328**
		1000 x 500	1010 x 510	**380329**
		1000 x 625	1010 x 635	**380330**
		1000 x 750	1010 x 760	**380331**
		1000 x 1000	1010 x 1010	**380333**
Insulation thickness: 160 mm				
1500	1400	800 x 600	810 x 610	**380298**
		1000 x 500	1010 x 510	**380299**
		1000 x 625	1010 x 635	**380300**
		1000 x 750	1010 x 760	**380301**
		1000 x 1000	1010 x 1010	**380303**
	1700	800 x 600	810 x 610	**380334**
		1000 x 500	1010 x 510	**380335**
		1000 x 625	1010 x 635	**380336**
		1000 x 750	1010 x 760	**380337**
		1000 x 1000	1010 x 1010	**380339**

Assembly kits

Description	Application	sufficient for	Article No.
Assembly kit for ACO Therm® Block DWD with frame	Combination with reveal element and shuttering element, as well as plastered reveal	1 Units ACO Therm® Block DWD with frame up to 100 mm insulation thickness	**380388**
		4 Units ACO Therm® Block DWD with frame up to 100 mm insulation thickness	**380389**
Assembly kit for ACO Therm® Block DWD with frame	Combination with reveal element and shuttering element, as well as plastered reveal	1 Unit ACO Therm® Block DWD with frame up to 125 mm insulation thickness	**380569**
		4 Unit ACO Therm® Block DWD with frame up to 125 mm insulation thickness	**380570**
Assembly bolts	For simple alignment and assembly for one Therm Block with frame in front of a shuttering element (1 pair)		**380398**

ACO Therm® Block with flood-proof* window

For light shaft assembly without thermal bridges and as water pressure-tight

ACO product advantages

- Window in the insulation plane
- optimal Isothermal curve
- Thermal bridging-free light shaft assembly
- Circumferential sealing flange
- Finished surfaces
- No need to render and paint in the light shaft
- Thermal conductivity insulation material 0.025 W/(mK)
- Reduction of the risk of mildew
- Optimal for refurbishment and renovation
- Airtight foamed-in frame
- No thermal bridges around the window

- Installable light shafts
  - 1000 x 600 x 400 mm
  - 1000 x 1000 x 400 mm
  - 1000 x 1300 x 400 mm
  - 1000 x 1000 x 600 mm
  - 1000 x 1300 x 600 mm
  - 1250 x 1000 x 400 mm
  - 1250 x 1300 x 600 mm
- Waterproof up to 1.0 m (for 24 hours)* and flood proof (240 l/24 hours up to 1.4 m
- Combination with pressurised waterproof assembled light shaft required

*24 h test as per ift Guidelines FE-07/01, test report 14-002562-PR01 available for viewing under: www.aco-hochbau.de/service/zertifikate

Note: The ACO Therm® Cellar reveal window is flood proof but does not replace the water pressure-tight light shaft and cannot be an integral component of a permanent building waterproofing according to DIN 18195. It has been tested for assembly in water impermeable concrete. The assembly instructions and the product information must always be observed! In order to maintain the water leak tightness/ high water resistance, the window must be inspected once a year and after every flood incident by an ACO service partner.

ACO Therm® Block as water pressure-tight

Tested connection joint system according to ift directive MO-01/1:2007-01. Test report 10-000800-PR01 available for viewing under: www.aco.hochbau.de/zertifikate

Tested as water pressure-tight
Examination report UB.5.1/10-390 of MFPA Leipzig: "ACO Therm® Block - Application-technical leak test on different substrates" available at: www.aco.hochbau.de/zertifikate

Order information

Dimension		Frame size	Required building shell opening in the cellar wall	Limit stop	Article No.
Width [mm]	Height [mm]	Width x height [mm]	Width x height [mm]		
Insulation thickness: 125 mm					
1500	1400	800 x 600	810 x 610	DIN right-hung	**315676**
		1000 x 500	1010 x 460	DIN right-hung	**375355**
		1000 x 625	1010 x 635	DIN right-hung	**315677**
		1000 x 750	1010 x 760	DIN right-hung	**315678**
	1700	800 x 600	810 x 610	DIN right-hung	**315680**
		1000 x 500	1010 x 460	DIN right-hung	**375357**
		1000 x 625	1010 x 635	DIN right-hung	**315681**
		1000 x 750	1010 x 760	DIN right-hung	**315682**
		1000 x 1000	1010 x 1010	DIN right-hung	**315683**
	1400	800 x 600	810 x 610	DIN left-hung	**315668**
		1000 x 500	1010 x 460	DIN left-hung	**375356**
		1000 x 625	1010 x 635	DIN left-hung	**315669**
		1000 x 750	1010 x 760	DIN left-hung	**315670**
	1700	800 x 600	810 x 610	DIN left-hung	**315672**
		1000 x 500	1010 x 460	DIN left-hung	**375358**
		1000 x 625	1010 x 635	DIN left-hung	**315673**
		1000 x 750	1010 x 760	DIN left-hung	**315674**
		1000 x 1000	1010 x 1000	DIN left-hung	**315675**

Assembly kits

Description	Application	sufficient for	Article No.
Assembly kit for ACO Therm® Block DWD with frame	Combination with reveal element and shuttering element, as well as plastered reveal	1 Unit ACO Therm® Block DWD with frame up to 125 mm insulation thickness	**380569**
		4 Unit ACO Therm® Block DWD with frame up to 125 mm insulation thickness	**380570**
		1 Unit ACO Therm® Block DWD with frame up to 100 mm insulation thickness	**380388**
		1 Unit ACO Therm® Block DWD with frame up to 100 mm insulation thickness	**380389**
Assembly bolts	For simple alignment and assembly for a Therm Blocks with frame in front of a shuttering element		**380398**

Tested for safety

ACO Therm® Block with integrated window frame

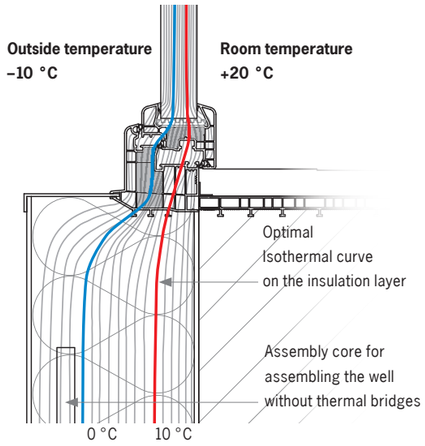
for standard light shaft assembling without thermal bridges

ACO product advantages

- Window in the insulation layer
- Greatest possible light incidence through windows in the insulation layer
- Optimal Isothermal curve
- Improved Uw-value due to window frame with slide-in bars
- Highly insulating PUR foam, Thermal conductivity 0.025 W/(mK)
- Cost and time-saving assembly
- Drilling into the cellar wall not applicable
- Finished surface, plastering, rendering and painting in the light shaft not necessary
- No thermal bridges around the window

- Light shaft assembling with Spax screws
- GRP cover film
- Airtight foamed-in window frame
- Installable light shafts
  - 1000 x 600 x 400 mm
  - 1000 x 1000 x 400 mm
  - 1000 x 1300 x 400 mm
  - 1000 x 1000 x 600 mm
  - 1000 x 1300 x 600 mm
  - 1250 x 1000 x 400 mm
  - 1250 x 1300 x 600 mm

Isothermal curve for the ACO Therm® Block



Tested connection joint system according to ift directive MO-01/1:2007-01. Test report 10-000800-PR01 available for viewing under: www.aco.hochbau.de/zertifikate

Order information

Dimension		Frame size	Required building shell opening in the cellar wall	Article No.
Width [mm]	Height [mm]	Width x height [mm]	Width x height [mm]	
Insulation thickness: 100 mm				
1500	1400	800 x 600	810 x 610	**380244**
		1000 x 500	1010 x 510	**380245**
		1000 x 625	1010 x 635	**380246**
		1000 x 750	1010 x 760	**380247**
		1000 x 1000	1010 x 1010	**380249**
Insulation thickness: 125 mm				
1500	1400	800 x 600	810 x 610	**380250**
		1000 x 500	1010 x 510	**380251**
		1000 x 625	1010 x 635	**380252**
		1000 x 750	1010 x 760	**380253**
		1000 x 1000	1010 x 1010	**380255**
Insulation thickness: 140 mm				
1500	1400	800 x 600	810 x 610	**380256**
		1000 x 500	1010 x 510	**380257**
		1000 x 625	1010 x 635	**380258**
		1000 x 750	1010 x 760	**380259**
		1000 x 1000	1010 x 1010	**380261**
Insulation thickness: 160 mm				
1500	1400	800 x 600	810 x 610	**380262**
		1000 x 500	1010 x 510	**380263**
		1000 x 625	1010 x 635	**380264**
		1000 x 750	1010 x 760	**380265**
		1000 x 1000	1010 x 1010	**380267**

Assembly kits

Description	Application	sufficient for	Article No.
Assembly kit for ACO Therm® Block Standard with frame	Combination with reveal element or plastered reveal	1 Unit ACO Therm® Block with frame in 100 mm insulation thickness	**380382**
		1 Unit ACO Therm® Block with frame from 125 mm insulation thickness	**380383**
	Combination with shuttering element	1 Unit ACO Therm® Block with frame in 100 mm insulation thickness	**380384**
		1 Unit ACO Therm® Block with frame from 125 mm insulation thickness	**380385**
Assembly bolts	For simple alignment and assembly for one Therm® Block with frame in front of a shuttering element		**380398**

Matching window sashes for ACO Therm® Block water pressure-tight or standard with integrated frame

Triple thermal insulation glazing U_g value = 0.6 W/(m²K)

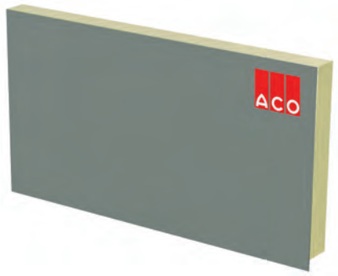
For frame Width x height [mm]	Reveal depth Depth [mm]	Article No. DIN left-hung	Article No. DIN right-hung
800 x 600	0.184	**327722**	**327723**
1000 x 500	0.179	**327724**	**327725**
1000 x 625	0.271	**327726**	**327727**
1000 x 750	0.364	**327728**	**327729**
1000 x 1000	0.549	**327730**	**327731**

Triple thermal insulation glazing U_g value = 0.6 W/m²K) suitable for passive houses

For frame Width x height [mm]	Reveal depth Depth [mm]	Article No. DIN left-hung	Article No. DIN right-hung
800 x 600	0.184	**321722**	**321723**
1000 x 500	0.179	**321724**	**321725**
1000 x 625	0.271	**321726**	**321727**
1000 x 750	0.364	**321728**	**321729**
1000 x 1000	0.549	**321730**	**321731**

Extension elements

ACO product advantages
- For raising standard Therm blocks with window cut-out or integrated frame
- Finished surface of glass fibrereinforced plastic
- With integrated assembling core
- Overlapping film for a clean transition

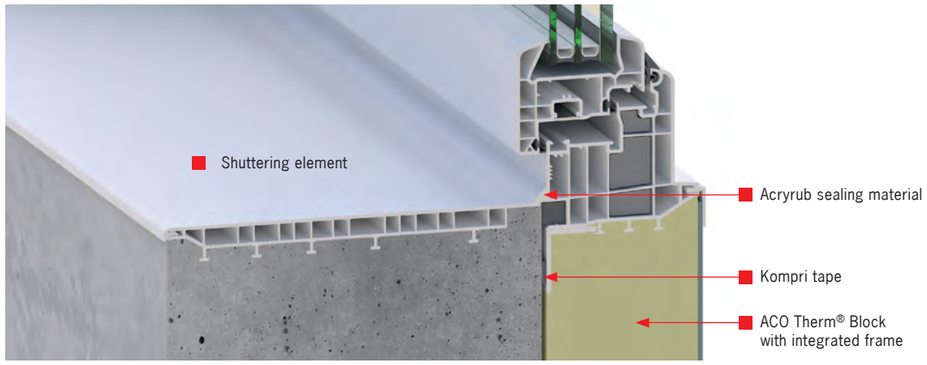


Dimension Width [mm]	Dimension Height [mm]	Insulation thickness Depth [mm]	Suitable for	Article No.
1230	650	80	■ ACO Therm® Block Standard	**380352**
		100		**380353**
		125		**380354**
		140		**380355**
		160		**380356**
		180		**380357**
		200		**380358**
1500	650	80	■ ACO Therm® Block Standard	**380359**
		100		**380360**
		125		**380361**
		140		**380362**
		160		**380363**
		180		**380364**
		200		**380365**

ACO shuttering elements for ACO Therm® Block with integrated frame

ACO product advantages
- For concreting in the precast concrete plant or or in in-situ concrete
- Shuttering sealing on both sides
- Foil-coated surfaces for protection against soiling
- Factory-installed wooden stiffening

Dimension Width [mm]	Dimension Height [mm]	Reveal depth Depth [mm]	Suitable for	Article No.
Site alignment dimension: 800 x 600 mm				
790	590	200	■ ACO Therm® Block with integrated frame 800 x 600	**327910**
		240		**327911**
		250		**327912**
		300		**327913**
		365		**327914**
		400		**327915**
Site alignment dimension: 1000 x 500 mm				
990	490	200	■ ACO Therm® Block with integrated frame 1000 x 500	**327920**
		240		**327921**
		250		**327922**
		300		**327923**
		365		**327924**
		400		**327925**
Site alignment dimension: 1000 x 625 mm				
990	615	200	■ ACO Therm® Block with integrated frame 1000 x 625	**327930**
		240		**327931**
		250		**327932**
		300		**327933**
		365		**327934**
		400		**327935**
Site alignment dimension: 1000 x 750 mm				
990	740	200	■ ACO Therm® Block with integrated frame 1000 x 750	**327940**
		240		**327941**
		250		**327942**
		300		**327943**
		365		**327944**
		400		**327945**
Site alignment dimension: 1000 x 1000 mm				
990	990	200	■ ACO Therm® Block with integrated frame 1000 x 1000	**327950**
		240		**327951**
		250		**327952**
		300		**327953**
		365		**327954**
		400		**327955**



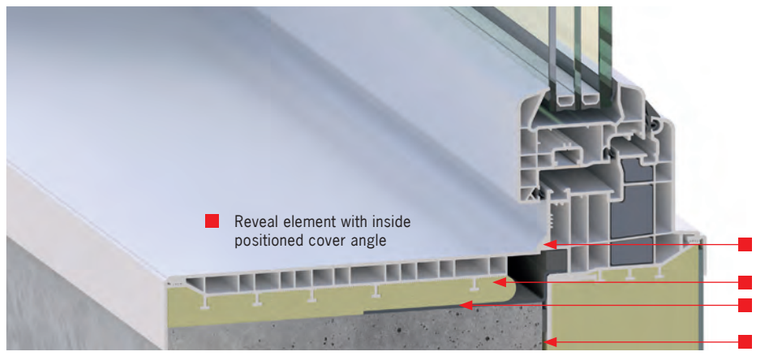
ACO reveal elements for ACO Therm® Block with integrated frame

ACO product advantages

- For cladding an existing window reveal
- With inside cover angle
- Factory-installed wooden stiffening
- For foaming on site

- The width and height of the existing window reveal must be 20 mm larger than the outside dimensions of the reveal elements.

Dimension		Reveal depth	Suitable for	Article No.
Width [mm]	Height [mm]	Depth [mm]		
Reveal or opening dimensions: 810 x 610 mm				
790	590	200	■ ACO Therm® Block with integrated frame 800 x 600	**380450**
		240		**380451**
		250		**380452**
		300		**380453**
		365		**380454**
		400		**380455**
Reveal and/or opening dimensions: 1010 x 510 mm				
990	490	200	■ ACO Therm® Block with integrated frame 1000 x 500	**380426**
		240		**380427**
		250		**380428**
		300		**380429**
		365		**380430**
		400		**380431**
Reveal and/or opening dimensions: 1010 x 635 mm				
990	615	200	■ ACO Therm® Block with integrated frame 1000 x 625	**380432**
		240		**380433**
		250		**380434**
		300		**380435**
		365		**380436**
		400		**380437**
Reveal and/or opening dimensions: 1010 x 760 mm				
990	740	200	■ ACO Therm® Block with integrated frame 1000 x 750	**380438**
		240		**380439**
		250		**380440**
		300		**380441**
		365		**380442**
		400		**380443**
Reveal and/or opening dimensions: 1010 x 1010 mm				
990	990	200	■ ACO Therm® Block with integrated frame 1000 x 1000	**380444**
		240		**380445**
		250		**380446**
		300		**380447**
		365		**380448**
		400		**380449**



Coefficients of the ACO Therm® Block with integrated frame

ACO Therm® Block with 3-fold thermal insulation glazing Ug-value = 0.6 W/(m²K)

Coefficients for window

U_f-value	1.0	W/(m²K)
U_g-value	0.6	W/(m²K)
Ψ_g-value	0.05	W/(mK)
U_W-value	* 0.85	W/(m²K)

*For one window 1.23 m x 1.48 m, face width BR 125 mm

Building connection

Ψ-Value* bottom/lateral/top	-0.005	W/(mK)
f_{RSI}* DIN 4108-2:	0.80	

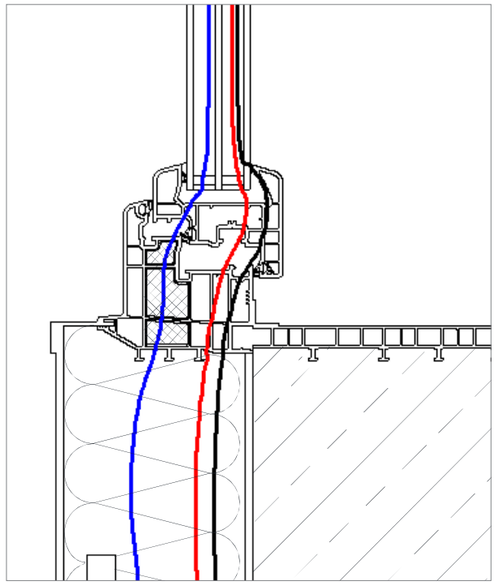
* 240 mm concrete with 125 mm Therm Block DWD (-5.20 °C)

Boundary conditions for Isotherms

Outside	-10.00 °C
Inside	20.00 °C

Legend

Blue isotherm	0 °C
Red isotherm	10 °C
Black isotherm	13 °C



ACO Therm® Block with 3-fold thermal insulation glazing Ug-value = 0.6 W/(m²K) suitable for passive houses

Coefficients for window

U_f-value	0.9	W/(m²K)
U_g-value	0.6	W/(m²K)
Ψ_g-value	0.028	W/(mK)
U_W-value	* 0.77	W/(m²K)

*For one window 1.23 m x 1.48 m, face width BR 125 mm

Building connection

Ψ-Value* bottom/lateral/top	-0.005	W/(mK)
f_{RSI}* DIN 4108-2:	0.80	

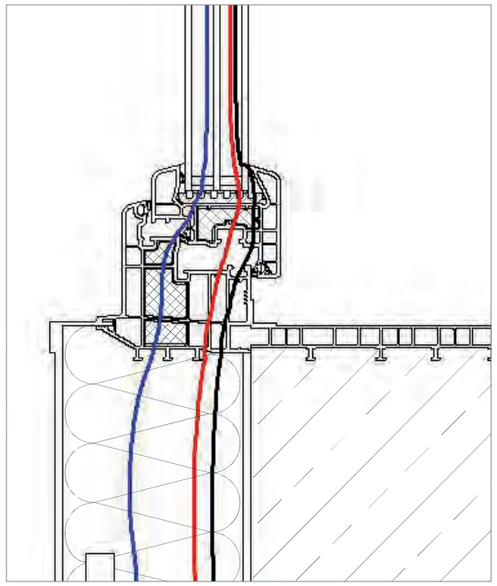
* 240 mm concrete with 125 mm Therm® Block DWD (-5,.20 °C)

Boundary conditions for Isotherms

Outside	-10.00 °C
Inside	20.00 °C

Legend

Blue isotherm	0 °C
Red isotherm	10 °C
Black isotherm	13 °C



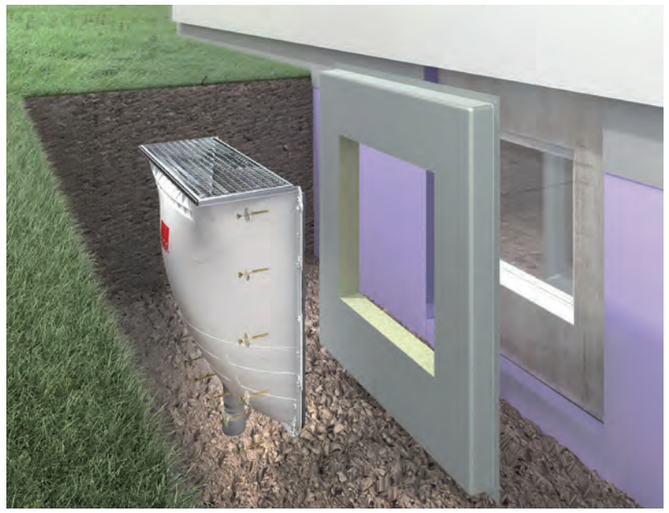
ACO Therm® Block with window cut-out

for assembling the light shaft without thermal bridges and as water pressure-tight

ACO product advantages

- Thermal bridging-free light shaft assembly
- Highly insulating PUR foam, Thermal conductivity 0.025 W/(mK)
- Cost and time-saving installation
- Use of the insulation connection profile without rework
- Finished surface, plastering, rendering and painting in the light shaft not necessary
- Circumferential sealing flange for simple and controllable sealing
- Panel can be turned if required

- Light shaft assembling with Spax screws
- ABS tank-type design
- Installable light shafts
  - 1000 x 1000 x 400 mm
  - 1000 x 1300 x 400 mm
  - 1000 x 1000 x 600 mm
  - 1000 x 1300 x 600 mm
  - 1250 x 1000 x 400 mm
  - 1250 x 1300 x 600 mm



System design

Profile overview

Assembly video

Tested as water pressure-tight
Examination report UB.5.1/10-390 of MFPA Leipzig: „ACO Therm® Block – Application-technical leak test on different substrates“available under: www.aco.hochbau.de/zertifikate

Dimension		For window with reveal	Window cut-out in ACO Therm® Block	Article No.
Width [mm]	Height [mm]	Width x Height [mm]	Width x Height [mm]	
Insulation thickness: 80 mm				
1500	1400	–	460 x 460	**315976**
		750 x 500	710 x 460	**315977**
		800 x 600	760 x 560	**315727**
		1000 x 500	960 x 460	**315729**
		1000 x 625	960 x 585	**315730**
		1000 x 750	960 x 710	**315731**
		1000 x 1000	960 x 960	**315750**
Insulation thickness: 100 mm				
1230	1400	–	460 x 460	**375211**
		750 x 500	710 x 460	**375212**
		800 x 600	760 x 560	**375213**
		1000 x 500	960 x 460	**375215**
		1000 x 625	960 x 585	**375216**
		1000 x 750	960 x 710	**375217**
		1000 x 1000	960 x 960	**375219**
1500	1400	–	460 x 460	**315979**
		750 x 500	710 x 460	**315980**
		800 x 600	760 x 560	**315738**
		1000 x 500	960 x 460	**315740**
		1000 x 625	960 x 585	**315741**
		1000 x 750	960 x 710	**315742**
		1000 x 1000	960 x 960	**315749**
	1700	–	460 x 460	**315990**
		750 x 500	710 x 460	**315991**
		800 x 600	760 x 560	**315743**
		1000 x 500	960 x 460	**315745**
		1000 x 625	960 x 585	**315746**
		1000 x 750	960 x 710	**315747**
		1000 x 1000	960 x 960	**315748**
Insulation thickness: 125 mm				
1230	1400	–	460 x 460	**375222**
		750 x 500	710 x 460	**375223**
		800 x 600	760 x 560	**375224**
		1000 x 500	960 x 460	**375227**
		1000 x 625	960 x 585	**375228**
		1000 x 750	960 x 710	**375229**
		1000 x 1000	960 x 960	**375232**
1500	1400	–	460 x 460	**315982**
		750 x 500	710 x 460	**315983**
		800 x 600	760 x 560	**315640**
		1000 x 500	960 x 460	**315641**
		1000 x 625	960 x 585	**315642**
		1000 x 750	960 x 710	**315643**
		1000 x 1000	960 x 960	**315644**
	1700	–	460 x 460	**315993**
		750 x 500	710 x 460	**315994**
		800 x 600	760 x 560	**315645**
		1000 x 500	960 x 460	**315646**
		1000 x 625	960 x 585	**315647**
		1000 x 750	960 x 710	**315648**
		1000 x 1000	960 x 960	**315649**

Order information

Dimension		For window with reveal	Window cut-out in ACO Therm® Block	Article No.
Width [mm]	Height [mm]	Width x Height [mm]	Width x Height [mm]	
Insulation thickness: 140 mm				
1230	1400	–	460 x 460	**375234**
		750 x 500	710 x 460	**375235**
		800 x 600	760 x 560	**375236**
		1000 x 500	960 x 460	**375238**
		1000 x 625	960 x 585	**375239**
		1000 x 750	960 x 710	**375240**
		1000 x 1000	960 x 960	**375242**
1500	1400	–	460 x 460	**380173**
		750 x 500	710 x 460	**380174**
		800 x 600	760 x 560	**380175**
		1000 x 500	960 x 460	**380176**
		1000 x 625	960 x 585	**380177**
		1000 x 750	960 x 710	**380178**
		1000 x 1000	960 x 960	**380180**
	1700	–	460 x 460	**380209**
		750 x 500	710 x 460	**380210**
		800 x 600	760 x 560	**380211**
		1000 x 500	960 x 460	**380212**
		1000 x 625	960 x 585	**380213**
		1000 x 750	960 x 710	**380214**
		1000 x 1000	960 x 960	**380216**
Insulation thickness: 160 mm				
1230	1400	–	460 x 460	**375244**
		750 x 500	710 x 460	**375245**
		800 x 600	760 x 560	**375246**
		1000 x 500	960 x 460	**375248**
		1000 x 625	960 x 585	**375249**
		1000 x 750	960 x 710	**375250**
		1000 x 1000	960 x 960	**375252**
1500	1400	–	460 x 460	**380182**
		750 x 500	710 x 460	**380183**
		800 x 600	760 x 560	**380184**
		1000 x 500	960 x 460	**380185**
		1000 x 625	960 x 585	**380186**
		1000 x 750	960 x 710	**380187**
		1000 x 1000	960 x 960	**380189**
	1700	–	460 x 460	**380218**
		750 x 500	710 x 460	**380219**
		800 x 600	760 x 560	**380220**
		1000 x 500	960 x 460	**380221**
		1000 x 625	960 x 585	**380222**
		1000 x 750	960 x 710	**380223**
		1000 x 1000	960 x 960	**380225**
Insulation thickness: 180 mm				
1230	1400	–	460 x 460	**375254**
		750 x 500	710 x 460	**375255**
		800 x 600	760 x 560	**375256**
		1000 x 500	960 x 460	**375258**
		1000 x 625	960 x 585	**375259**
		1000 x 750	960 x 710	**375260**
		1000 x 1000	960 x 960	**375262**
1500	1400	–	460 x 460	**380191**
		750 x 500	710 x 460	**380192**
		800 x 600	760 x 560	**380193**
		1000 x 500	960 x 460	**380194**
		1000 x 625	960 x 585	**380195**
		1000 x 750	960 x 710	**380196**
		1000 x 1000	960 x 960	**380198**

Insulation thickness: 200 mm				
1230	1400	–	460 x 460	**375264**
		750 x 500	710 x 460	**375265**
		800 x 600	760 x 560	**375266**
		1000 x 500	960 x 460	**375268**
		1000 x 625	960 x 585	**375269**
		1000 x 750	960 x 710	**375270**
		1000 x 1000	960 x 960	**375272**
1500	1400	–	460 x 460	**380200**
		750 x 500	710 x 460	**380201**
		800 x 600	760 x 560	**380202**
		1000 x 500	960 x 460	**380203**
		1000 x 625	960 x 585	**380204**
		1000 x 750	960 x 710	**380205**
		1000 x 1000	960 x 960	**380207**

Assembly kits

Description	Application with	sufficient for	Article No.
Assembly kit for ACO Therm® Block DWD with window cut-out	Reveal for cellar window In cellar wall	1 Unit ACO Therm® Block DWD to 100 mm insulation thickness	**380386**
		2 Units ACO Therm® Block DWD to 100 mm insulation thickness	**380391**
		4 Units ACO Therm® Block DWD to 100 mm insulation thickness	**380387**
		1 Units ACO Therm® Block DWD from 125 mm insulation thickness	**380393**
		2 Units ACO Therm® Block DWD from 125 mm insulation thickness	**380394**
		4 Units ACO Therm® Block DWD from 125 mm insulation thickness	**390395**

Insulation connection profiles

For insertion into the ACO Therm® Block opening

Order information

Insulation thickness [mm]	For window with reveal Width x Height [mm]	Article No.
0 – 140	750 x 500	**327000**
	800 x 600	**327001**
	1000 x 500	**327002**
	1000 x 625	**327003**
	1000 x 750	**327004**
	1000 x 1000	**327005**
0 – 200	750 x 500	**327010**
	800 x 600	**327011**
	1000 x 500	**327012**
	1000 x 625	**327013**
	1000 x 750	**327014**
	1000 x 1000	**327015**

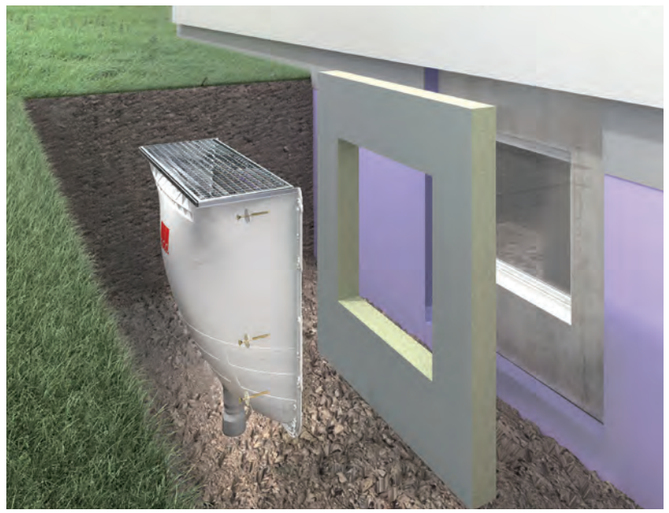
ACO Therm® Block with window cut-out

For Standard-Light shaft assembly

ACO product advantages

- Thermal bridging-free light shaft assembly
- Freely positionable light shaft
- Finished surface
- No need to plaster, render and paint in the light shaft
- Highly insulating PUR foam, Thermal conductivity 0.025 W/(mK)
- Panel can be turned if required

- Light shaft assembling with Spax screws
- GRP cover film
- Light shafts can be easily assembled on ACO Therm® Block 1230 and 1500 mm overall width:
  - 1000 x 600 x 400 mm
  - 1000 x 1000 x 400 mm
  - 1000 x 1300 x 400 mm
  - 1000 x 1000 x 600 mm
  - 1000 x 1300 x 600 mm
- Light shafts can be easily assembled on ACO Therm® Block 1500 mm overall width:
  - 1250 x 1000 x 400 mm
  - 1250 x 1300 x 600 mm



System design

Profile overview

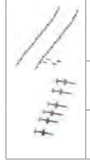
Order information

Dimension		For window with reveal	Window cut-out in ACO Therm® Block	Article No.
Width [mm]	Height [mm]	Width x Height [mm]	Width x Height [mm]	
Insulation thickness: 80 mm				
1230	1100	–	460 x 460	**375273**
		750 x 500	710 x 460	**375274**
		800 x 600	760 x 560	**375275**
		1000 x 500	960 x 460	**375277**
		1000 x 625	960 x 585	**375278**
		1000 x 750	960 x 710	**375279**
	1400	–	460 x 460	**315958**
		750 x 500	710 x 460	**315959**
		800 x 600	760 x 560	**315835**
		1000 x 500	960 x 460	**315837**
		1000 x 625	960 x 585	**315838**
		1000 x 750	960 x 710	**315839**
		1000 x 1000	960 x 960	**315840**
1500	1400	–	460 x 460	**315967**
		750 x 500	710 x 460	**315968**
		800 x 600	760 x 560	**315721**
		1000 x 500	960 x 460	**315723**
		1000 x 625	960 x 585	**315724**
		1000 x 750	960 x 710	**315725**
		1000 x 1000	960 x 960	**315726**
Insulation thickness: 100 mm				
1230	1100	–	460 x 460	**375282**
		750 x 500	710 x 460	**375283**
		800 x 600	760 x 560	**375284**
		1000 x 500	960 x 460	**375286**
		1000 x 625	960 x 585	**375287**
		1000 x 750	960 x 710	**375288**
	1400	–	460 x 460	**315961**
		750 x 500	710 x 460	**315962**
		800 x 600	760 x 560	**315841**
		1000 x 500	960 x 460	**315843**
		1000 x 625	960 x 585	**315844**
		1000 x 750	960 x 710	**315845**
		1000 x 1000	960 x 960	**315846**
1500	1400	–	460 x 460	**315970**
		750 x 500	710 x 460	**315971**
		800 x 600	760 x 560	**315625**
		1000 x 500	960 x 460	**315626**
		1000 x 625	960 x 585	**315627**
		1000 x 750	960 x 710	**315628**
		1000 x 1000	960 x 960	**315629**
Insulation thickness: 125 mm				
1230	1100	–	460 x 460	**375291**
		750 x 500	710 x 460	**375292**
		800 x 600	760 x 560	**375293**
		1000 x 500	960 x 460	**375295**
		1000 x 625	960 x 585	**375296**
		1000 x 750	960 x 710	**375297**
	1400	–	460 x 460	**315964**
		750 x 500	710 x 460	**315965**
		800 x 600	760 x 560	**315847**
		1000 x 500	960 x 460	**315849**
		1000 x 625	960 x 585	**315850**
		1000 x 750	960 x 710	**315851**
		1000 x 1000	960 x 960	**315852**

Dimension		For window with reveal	Window cut-out in ACO Therm® Block	Article No.
Width [mm]	Height [mm]	Width x Height [mm]	Width x Height [mm]	
Insulation thickness: 125 mm				
1500	1400	–	460 x 460	**315973**
		750 x 500	710 x 460	**315974**
		800 x 600	760 x 560	**315620**
		1000 x 500	960 x 460	**315621**
		1000 x 625	960 x 585	**315622**
		1000 x 750	960 x 710	**315623**
		1000 x 1000	960 x 960	**315624**
Insulation thickness: 140 mm				
1230	1100	–	460 x 460	**375291**
		750 x 500	710 x 460	**375292**
		800 x 600	760 x 560	**375293**
		1000 x 500	960 x 460	**375295**
		1000 x 625	960 x 585	**375296**
		1000 x 750	960 x 710	**375297**
	1400	–	460 x 460	**380101**
		750 x 500	710 x 460	**380102**
		800 x 600	760 x 560	**380103**
		1000 x 500	960 x 460	**380104**
		1000 x 625	960 x 585	**380105**
		1000 x 750	960 x 710	**380106**
		1000 x 1000	960 x 960	**380108**
1500	1400	–	460 x 460	**380137**
		750 x 500	710 x 460	**380138**
		800 x 600	760 x 560	**380139**
		1000 x 500	960 x 460	**380140**
		1000 x 625	960 x 585	**380141**
		1000 x 750	960 x 710	**380142**
Insulation thickness: 160 mm				
1230[1)]	1100	–	460 x 460	**375309**
		750 x 500	710 x 460	**375310**
		800 x 600	760 x 560	**375311**
		1000 x 500	960 x 460	**375313**
		1000 x 625	960 x 585	**375314**
		1000 x 750	960 x 710	**375315**
	1400	–	460 x 460	**380110**
		750 x 500	710 x 460	**380111**
		800 x 600	760 x 560	**380112**
		1000 x 500	960 x 460	**380113**
		1000 x 625	960 x 585	**380114**
		1000 x 750	960 x 710	**380115**
		1000 x 1000	960 x 960	**380117**
1500[1)]	1400	–	460 x 460	**380146**
		750 x 500	710 x 460	**380147**
		800 x 600	760 x 560	**380148**
		1000 x 500	960 x 460	**380149**
		1000 x 625	960 x 585	**380150**
		1000 x 750	960 x 710	**380151**
		1000 x 1000	960 x 960	**380153**

Insulation thickness: 180 mm				
1230[1)]	1100	–	460 x 460	**375318**
		750 x 500	710 x 460	**375319**
		800 x 600	760 x 560	**375320**
		1000 x 500	960 x 460	**375323**
		1000 x 625	960 x 585	**375324**
		1000 x 750	960 x 710	**375325**
	1400	–	460 x 460	**380119**
		750 x 500	710 x 460	**380120**
		800 x 600	760 x 560	**380121**
		1000 x 500	960 x 460	**380122**
		1000 x 625	960 x 585	**380123**
		1000 x 750	960 x 710	**380124**
		1000 x 1000	960 x 960	**380126**
1500[1)]	1400	–	460 x 460	**380155**
		750 x 500	710 x 460	**380156**
		800 x 600	760 x 560	**380157**
		1000 x 500	960 x 460	**380158**
		1000 x 625	960 x 585	**380159**
		1000 x 750	960 x 710	**380160**
		1000 x 1000	960 x 960	**380162**
Insulation thickness: 200 mm				
1230[1)]	1100	–	460 x 460	**375328**
		750 x 500	710 x 460	**375329**
		800 x 600	760 x 560	**375330**
		1000 x 500	960 x 460	**375332**
		1000 x 625	960 x 585	**375333**
		1000 x 750	960 x 710	**375334**
	1400	–	460 x 460	**380128**
		750 x 500	710 x 460	**380129**
		800 x 600	760 x 560	**380130**
		1000 x 500	960 x 460	**380131**
		1000 x 625	960 x 585	**380132**
		1000 x 750	960 x 710	**380133**
		1000 x 1000	960 x 960	**380135**
1500[1)]	1400	–	460 x 460	**380164**
		750 x 500	710 x 460	**380165**
		800 x 600	760 x 560	**380166**
		1000 x 500	960 x 460	**380167**
		1000 x 625	960 x 585	**380168**
		1000 x 750	960 x 710	**380169**
		1000 x 1000	960 x 960	**380171**

	Required accessories	Art.-No.
	**Insulation panel adhesive** ■ 800 ml ■ Sufficient for 2 ACO Therm® Block ■ 1-K polyurethane adhesive ■ Applied with the help of a foam application gun	**315798**

	Required accessories		Art.-No.
	**Assembly kit for insulation thickness**		
	80 mm and 100 mm	■ For standard light shaft assembly	**315796**
	125 mm	■ Sufficient for 1 ACO Therm® Block standard	**315936**
	180 mm	■ Sufficient for 1 ACO Therm® Block	**380392**

Insulation connection profile

For insertion into the ACO Therm® Block cut-out

Order information

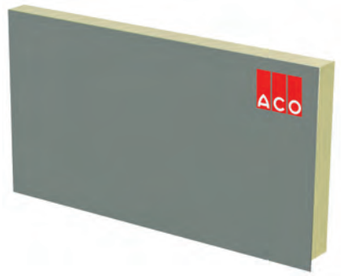
Insulation thickness [mm]	For window with reveal Width x Height [mm]	Article No.
0 – 140	750 x 500	**327800**
	800 x 600	**327801**
	1000 x 500	**327802**
	1000 x 625	**327803**
	1000 x 750	**327804**
	1000 x 1000	**327805**
0 – 200	750 x 500	**327810**
	800 x 600	**327811**
	1000 x 500	**327812**
	1000 x 625	**327813**
	1000 x 750	**327814**
	1000 x 1000	**327815**

ACO Therm® Block

Vertical extension element

ACO product advantages

- For raising standard Therm blocks with window cut-out or integrated frame
- Finished surface of glass fibre-reinforced plastic
- With integrated assembling core
- Overlapping film for a clean transition



Dimension Width [mm]	Dimension Height [mm]	Insulation thickness Depth [mm]	Suitable for	Article No.
1230	650	80	■ ACO Therm® Block Standard	**380352**
		100		**380353**
		125		**380354**
		140		**380355**
		160		**380356**
		180		**380357**
		200		**380358**
1500	650	80	■ ACO Therm® Block Standard	**380359**
		100		**380360**
		125		**380361**
		140		**380362**
		160		**380363**
		180		**380364**
		200		**380365**

Matching ACO Therm® light shaft bodies

Width [mm]	Height [mm]	Depth [mm]	Application	Article No.
1000	600	400	Standard	**35567**
1000	100	400	Standard + DWD	**35568**
1000	1300	400	Standard + DWD	**35569**
1250	1000	400	Standard + DWD	**35894**
1000	1000	600	Standard + DWD	**375000**
1000	1300	600	Standard + DWD	**375001**
1250	1300	600	Standard + DWD	**375002**

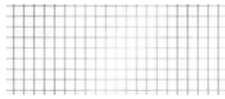
Accessories (optional) for light shaft body

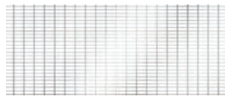
Description	Suitable for	Article No.
Backflow stop	All light shaft dimensions	**310060**
Drainage connection		**310079**
Closure for drainage opening		**35583**

When using the closure, we recommend the use of a glass cover

Suitable gratings for light shaft bodies

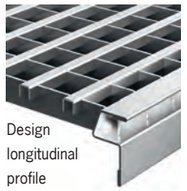
Version	Suitable for light shaft [WxHxD]	Article No.
Expanded metal grating Walk-on capable	1000 x 1000 x 400 and 1000 x 1300 x 400	**35573**
	1250 x 1000 x 400	**35896**
	1000 x 1000 x 600 und 1000 x 1300 x 600	**315870**
	1250 x 1300 x 600	**315874**
Mesh grating MW 30/30 Walk-on capable	1000 x 1000 x 400 und 1000 x 1300 x 400	**35575**
	1250 x 1000 x 400	**35897**
	1000 x 1000 x 600 und 1000 x 1300 x 600	**315878**
	1250 x 1300 x 600	**315882**
Mesh grating MW 30/10 Walk-on capable	1000 x 1000 x 400 and 1000 x 1300 x 400	**35577**
	1250 x 1000 x 400	**35898**
	1000 x 1300 x 600	**315999**
	1250 x 1300 x 600	**375028**





Designer gratings with grating edge cover

Version	Suitable for light shaft [DxW]	Article No.
Longitudinal profile stainless steel	1000 x 1000 x 400 and 1000 x 1300 x 400	**380402**
	1250 x 1000 x 400	**380403**
	1000 x 1000 x 600 and 1000 x 1300 x 600	**380469**
	1250 x 1000 x 600	**380470**
V-profile Made of stainless steel	1000 x 1000 x 400 and 1000 x 1300 x 400	**380406**
	1250 x 1000 x 400	**380407**
	1000 x 1000 x 600 and 1000 x 1300 x 600	**380475**
	1250 x 1000 x 600	**380476**



Design longitudinal profile

Design Heelsafe

ACO Therm® extension elements

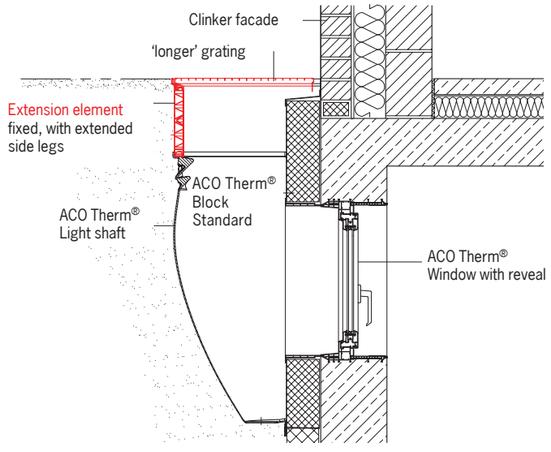
For flexible adjustment to the facade

The transition from the light shaft to the façade base and/or the exit to the terrace or patio is a detail which frequently leads to problems on the construction site and requires individual solutions. Particular attention needs to be paid to the thermal insulation and sealing, and also light incidence and appearance at this interface. Simple implementation is possible based on thorough plans.

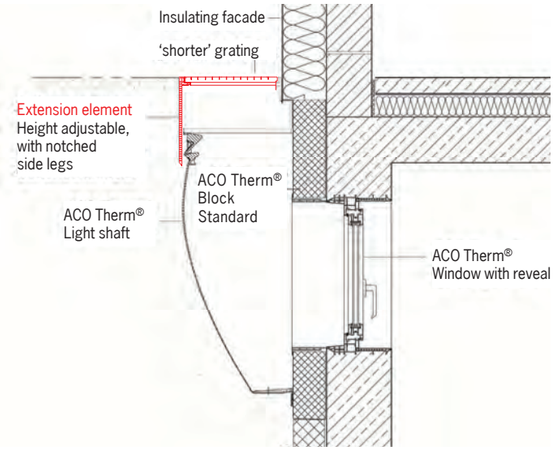
The transition for a ACO Therm® light shaft can be adapted individually by using an extension element. For instance, a longer cheek can be produced which is fitted down to a floor-to-ceiling window. The extension elements (fixed and variable) simplify the execution planning and shorten the assembly times.

- Individual cutting of extension elements for the transition to the façade base or the terrace exit
- Adjustments to the height level of over 80 cm sat´re possible
- Assembly allows clean transition in the base/light shaft area
- Thermal bridge-optimised assembly of the light shaft possible even in case of pressing water
- Shortened or extended light shaft grating for connection to the WDVS system

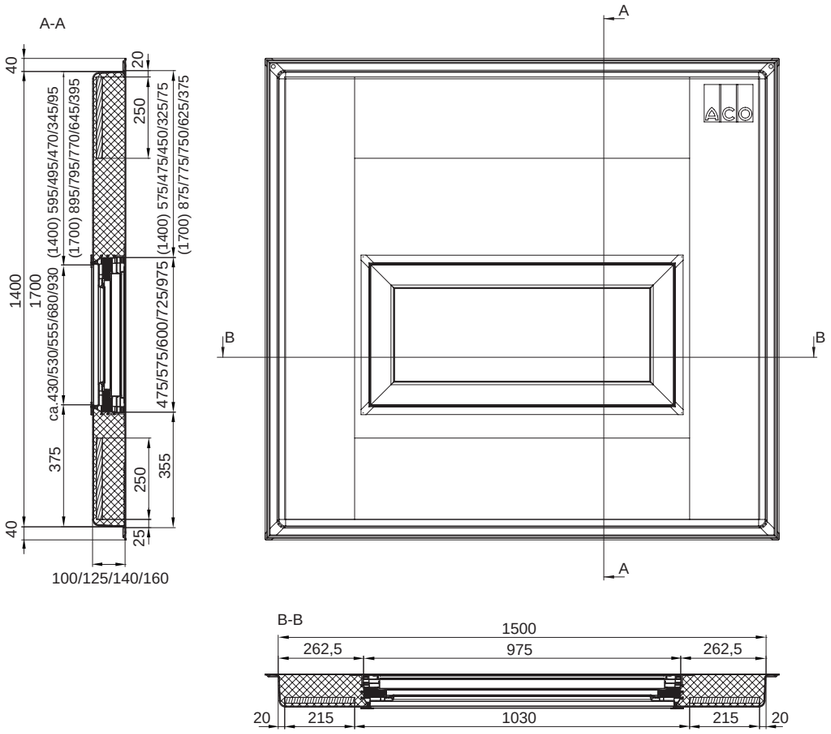
Recessed facade



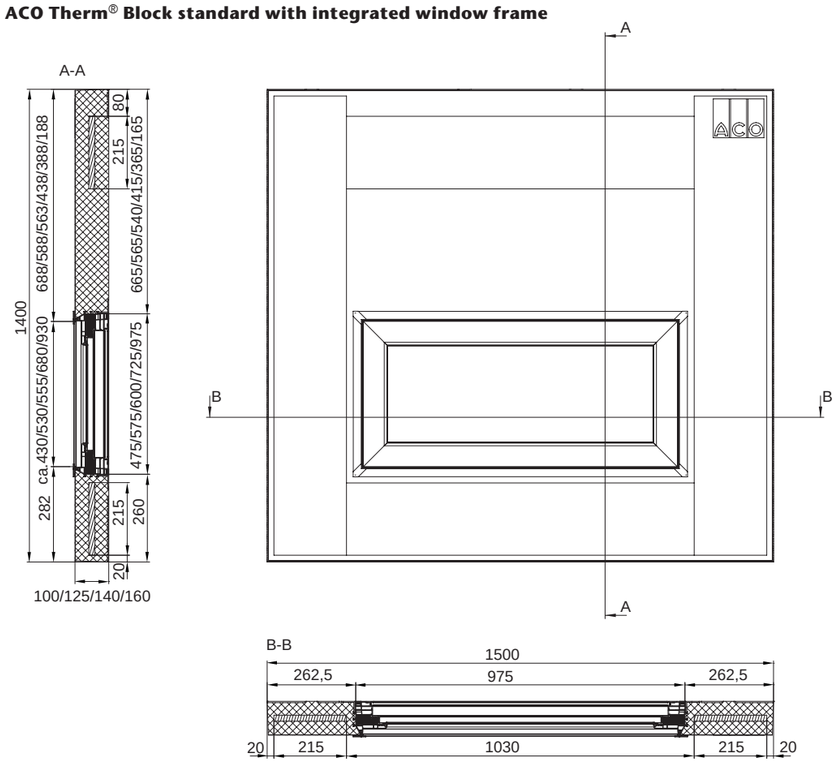
Protruding facade



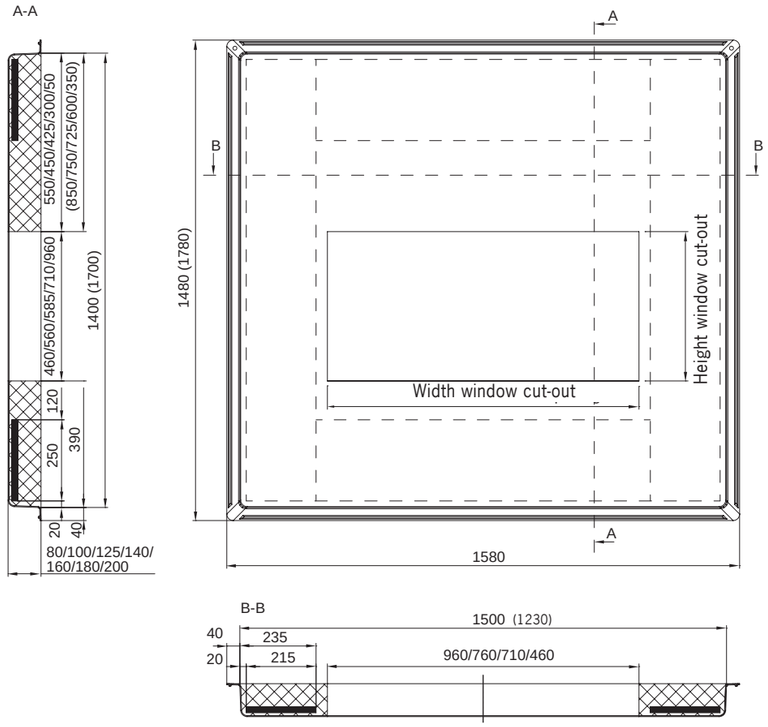
ACO Therm® Block water pressure-tight with integrated window frame



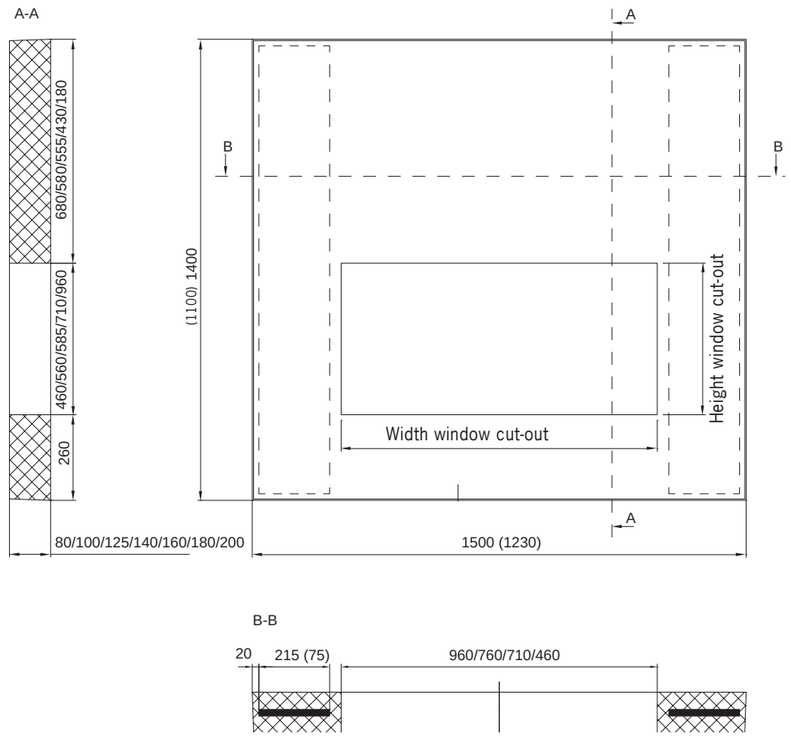
ACO Therm® Block standard with integrated window frame



ACO Therm® Block pressurised watertight with window cut-out



ACO Therm® Block standard with window cut-out



Each ACO building construction product supports the ACO system chain

System solutions for the cellar

- Basement window
- Assembly panels for light shafts
- Pressure water proof light shafts
- Backflow systems

Infrastructure for house and garden

- Bath drainage
- Well covers
- Façade drainage channels
- Linear drainage
- Point drainage
- Doormats
- Infiltration
- Surface water harvesting

Barn windows and escape doors

MA 5211/03/2019 Änderungen vorbehalten