Planning safety

Fire doors by cool it – the right decision

Practical design for practical use

For the past 25 years, "cool it" has stood for innovative door systems used not only in food production and storage, but also in other sensitive areas.
Wherever reliable room closure is an issue, you can depend on "cool it" as a strong partner – for fire doors too. Here "cool it" offers a convincing range of innovative package solutions.

Sincerely,

R. Brandhorst

Rasmus Brandhorst
(Managing Director)

cool it – The partner you can rely on

Partnership with "cool it" brings many benefits. The "cool it" benefits at a glance:

Optimum supply service:
Speedy supply and totally reliable delivery dates

Excellent quality:
High-grade materials, modern manufacture, ongoing research and development

Official standards:
DIN EN 13241-1, TÜV-GS prototype testing (CE label) DIN EN 1634-1 (EI$_2$ 30, EI$_2$ 60) Europe and DIN 4102 (T30, T90) Germany (fire doors)

Comprehensive service:
Competent advice, active planning support, technical assistance and own customer service

Wide range of products:
Extensive door programme, unsurpassed depth of range, and flexible combination options – innovative solution packages by "cool it"

Active environmental protection:
Ecologically sound product concepts, resource-conserving manufacture, balanced life-cycle assessment

Contents

All the arguments favour fire doors by cool it:
High-grade materials, perfect workmanship and an unbeatable variety of products enable cool it to meet high customer expectations in this field as well.

Practical design for practical use – practicable solutions for every situation
Every "cool it" fire door embodies more than ten years' experience. Ongoing development and improvement have resulted in high-quality tried-and-tested chill room and freezer room doors with outstanding fire protection properties. For virtually every situation – the great breadth and depth of the range make it possible.

Perfect handling ensures unrestricted fitness for everyday use
All "cool it" fire doors have been thoroughly tested by independent institutions. They satisfy the requirements and test criteria of the DIN 4102 and DIN EN 1634-1 standards.
This makes them ideal for all installations where reliable compliance with fire protection requirements is essential.
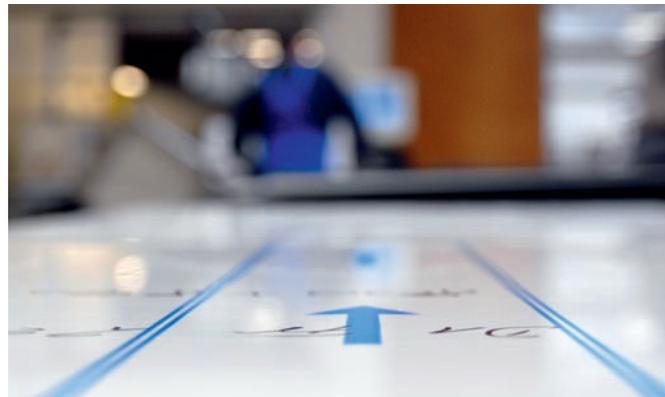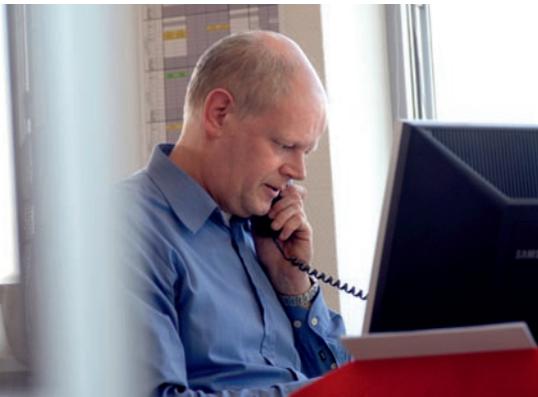
At the same time they eliminate the need for cost-intensive tandem solutions that are inconvenient in practice. Fire doors by "cool it" offer effective fire protection and reliable room closure in a single unit – with or without insulation.

This and the improved handling resulting from innovative design and a marked reduction in the number of individual parts make "cool it" fire doors the ideal complete solution for every client.

And keep the fire protection authorities very happy too, as official confirmation shows.

Trend-setting technology:
The cool it light grid system

The non-contact closing edge security device integrated in the door system spreads a dense grid of infrared beams across the door opening.
This permits reliable monitoring of the door opening area. If a person, industrial truck or object moves into this area, the door automatically stops closing and opens.
This means:

- Maximum safety for personnel
- Effective protection against damage to door (ensuring trouble-free operation)
- Absolute hygiene thanks to non-contact operation (no possibility of contamination through contact)
- Cuts costs by preventing damage

Maximum safety

As a trim option for "cool it" fire doors, the light grid system can only be used in combination with the mechanical contact bar.

Fire doors by cool it have been thoroughly tested by experts. This makes them the reliable room closure for situations where tested fire protection is required.

[1]
Fire protection test:
"cool it" door exposed
to fire

[2]
High-tech at work:
Monitoring and measuring

[3]
Measuring deformation
during a test

[4] [5]
T90 test successfully
completed after
103 minutes.

Tested, certified and approved:
The two-in-one solutions by cool it

In Germany the Materials Testing Institute of the Technical University of Braunschweig, with its independent engineers, is responsible for comprehensive testing of door units. To this end the individual "cool it" fire doors are exposed to fire in accordance with DIN 4102 and DIN EN 1634-1 from both the inside and outside. In addition, "cool it" has the fire protection properties of its fire

doors tested in Europe by recognised certified institutes. All tests show that "cool it" fire doors conform to German standard DIN 4102 and European standard DIN EN 1634-1.
This leads to the T30 and T90 standards that are usual in Germany. For use in Europe, the programme is rounded off by doors conforming to the $EI_2 60$ standard. The tests and approvals carried out provide a basis for applying for the relevant approvals in European member states.
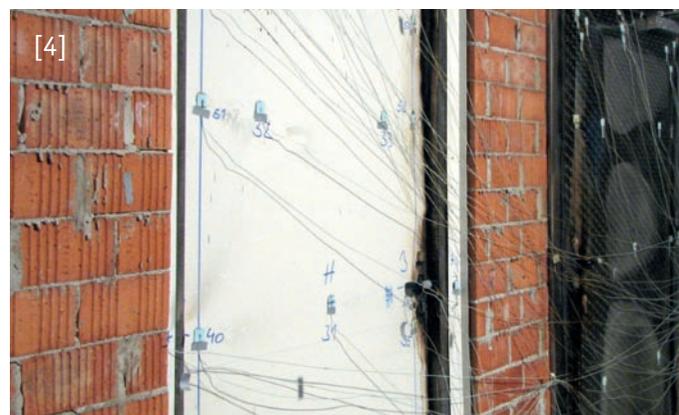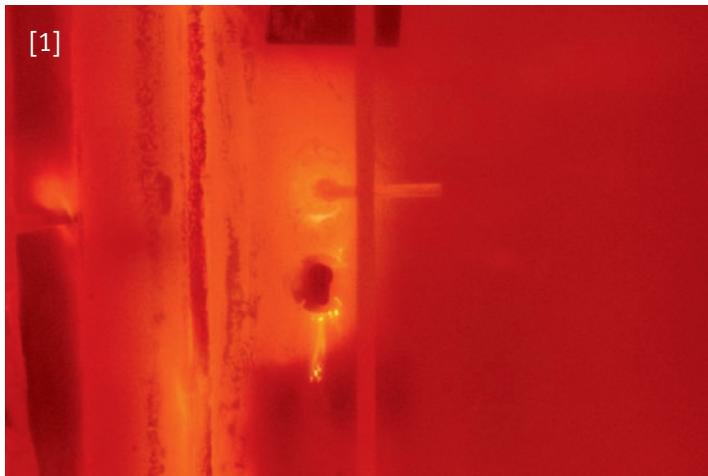
Fire doors by cool it combine perfect handling with absolute cost-effectiveness – totally convincing.
Fire doors by cool it make conventional tandem solutions superfluous. This means: Less bother, lower costs.

▼

Conventional double-door solutions have many drawbacks

- Surfaces not hygienic in the case of tandem solutions
- Design not waterproof
- Danger of freezing together when used in freezer rooms
- Complicated installation
- Impracticable handling
- High installation, maintenance and repair costs due to double solution
- No combination of fire protection and insulation
- Awkward to operate
- Different functions for closing and emergency opening

▼

Fire doors by cool it are a single-door solution that is instantly convincing on sight

- Easy-to-clean hygienic surfaces
- Waterproof design
- Trouble-free operation of door and fire alarm system down to -28 °C
- Can be installed using clamping frame on rock wool panel
- Smooth operation and easy handling even for large doors
- Economic installation and low-cost maintenance thanks to single-door solution
- Combination of perfect insulating properties and exemplary fire protection
- Identical operation to normal chill room and freezer room doors
- Closing and emergency opening functions identical to chill room and freezer room doors

The sliding fire door version can optionally be fitted with

- the tried-and-tested "Materials Handling" control package
- a light barrier surveillance system
- a smoke protection centre for conveyor system closures (including VDS certified light barrier), which in the event of a fire buffers the closing signal during conveyor zone clearing, thereby ensuring reliable closing and closure

[5]

cool it hinged and sliding fire doors for chill rooms and freezer rooms are the proven room closure when it comes to combining excellent cold insulation properties with effective, tested fire protection.

Hinged fire doors by cool it for chill rooms and freezer rooms

are the perfect choice for all situations involving temperature-controlled processing and storage. High-grade materials, superb insulating properties and effective fire protection are their outstanding features.

cool it hinged doors with integrated fire protection for many applications

- KT-T30, KT-T60 and KT-T90 for chill rooms
- GT-T30, GT-T60 and GT-T90 for freezer rooms

Hinged fire doors in the KT series, with their opening size of up to 120 cm x 210 cm, are suitable for compact fire-protection room closure for temperature zones between 0 °C and +8 °C. Doors in the GT series are suitable for freezer rooms in the temperature range from 0 °C to -28 °C.

All doors are of course available to meet the T30, T60 and T90 standards.

Other outstanding features

- Food-proof stainless steel leaf surfaces
- Strong stainless steel hinges for continuous corrosion-free operation and long life
- Recessed door leaf for maximum hygiene (frame and leaf are flush)
- Made from galvanised steel sheet, painted or laminated
- Available in a variety of colours and surface variants
- KT-T30 and GT-T30 also with built-in window
- With top-mounted door closer
- Installation variants for masonry, concrete, panels and timber frames
- Tested under DIN 4102 and DIN EN 1634-1

	KT/GT-T30		KT/GT-T60		KT/GT-T90	
Application	Chill room	Freezer room	Chill room	Freezer room	Chill room	Freezer room
Temperature range	0 °C to +8 °C	0 °C to -28 °C	0 °C to +8 °C	0 °C to -28 °C	0 °C to +8 °C	0 °C to -28 °C
Door leaf	single-leaf		single-leaf		single-leaf	
Leaf thickness	approx. 100 mm		approx. 100 mm		approx. 100 mm	
Leaf surface	galvanized steel sheet, painted or laminated/stainless steel sheet					
Surface variants						
Stainless steel	circular brush finish, matt brush finish 180 (burnished)					
Galvanised steel sheet (painted or laminated)	RAL 9001, RAL 9002		RAL 9001, RAL 9002		RAL 9001, RAL 9002	
Frames						
Version	block frame		block frame		block frame	
Frame material and surfaces						
Stainless steel sheet	matt brush finish 180 (burnished)		matt brush finish 180 (burnished)		matt brush finish 180 (burnished)	
Galvanised steel sheet	•		•		•	
Installation variants*						
Masonry (DIN 1053-1)	> 115 mm		> 175 mm		> 175 mm	
Concrete (DIN 1045-1)	> 100 mm		> 140 mm		> 140 mm	
Panels (construction authority approved)	F90 > 100 mm		F90 > 100 mm		- - -	
Timber frame (DIN 4102-4)	F90 > 150 mm		- - -		- - -	
Approved door sizes*	Clear opening COW x COH		Clear opening COW x COH		Clear opening COW x COH	
Installed in: masonry, concrete	min. 750 mm x 1750 mm max. 1200 mm x 2100 mm		min. 750 mm x 1750 mm max. 1200 mm x 2100 mm		min. 750 mm x 1750 mm max. 1200 mm x 2100 mm	
Installed in: panels	min. 750 mm x 1750 mm max. 1200 mm x 2100 mm		min. 750 mm x 1750 mm max. 1200 mm x 2100 mm		- - -	
Installed in: timber frames	min. 750 mm x 1750 mm max. 1200 mm x 2100 mm		- - -		- - -	
Trim variants						
Window	optional extra		- - -		- - -	
Closer	optional extra		optional extra		optional extra	
Approval*						
Approval granted in:	D, F, NL, CH		F, NL		D	
Safety certificates	CE, VDE, TÜV GS, TÜV prototype tested, DIN EN 13241-1, DIN 4102, DIN EN 1634-1					

* All measurements for installation variants and approved door sizes are based on German approvals. Country-specific variations are possible.
   Approvals depend on the individual installation situation and installation variants.
   In European countries not shown in the list, approval may be granted by the local fire protection authorities on application quoting
   the German approval number and DIN EN 1634-1 – "cool it" will be glad to help you with any questions. Just ask us.

[1]
Fire-proof door frame
based on the labyrinth
principle, with foaming
fire protection material

[2]
Tested top-mounted
door closer

[3]
Door furniture with
approved lock

[4] [5]
Certified rising hinge
made of stainless steel

[1]

[2]

[3]

[4]

[5]
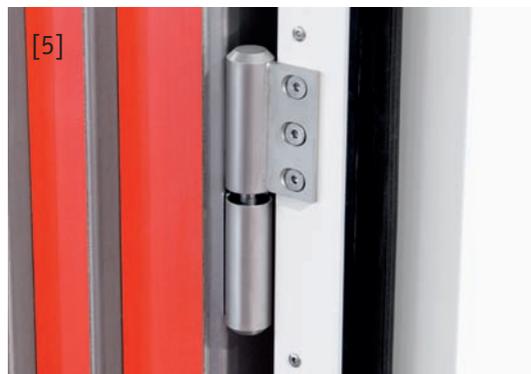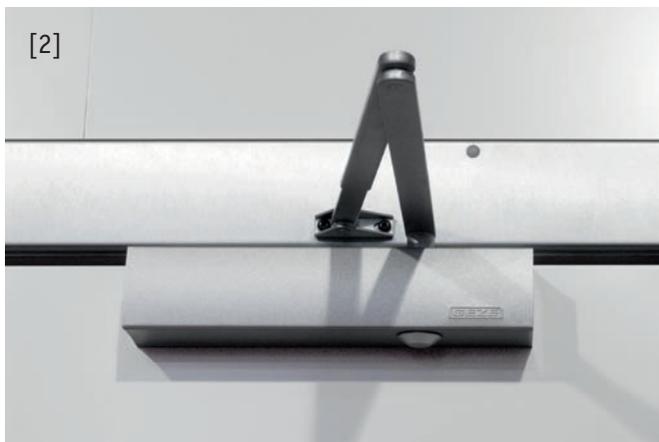
Sliding fire doors by cool it for chill rooms and freezer rooms – ideal for installation in temperature-sensitive areas.

[1]

[2]

[1]
Guide rail facing

[2]
Door leaf with operating lever, smoke bracket and safety bar

cool it sliding doors with integrated fire protection for chill rooms and freezer rooms

■ KTS-T30, KTS-T60 and KTS-T90 for chill rooms
■ GTS-T30, GTS-T60 and GTS-T90 for freezer rooms

Sliding fire doors in the KTS series are the doors of choice for chill rooms in the range 0 °C to +8 °C. The GTS series is available for use in freezer rooms in the range 0 °C to -28 °C. All doors are available to meet T30, T60 or T90 standards and with optional extras.

All sliding fire doors run on a stainless-steel rail with lowering system to ensure perfectly tight closure. A counterweight guarantees controlled closing of the door in the event of fire. In addition, an optional independent power supply (UPS) ensures reliable closure of doors with automatic electrical drive in the event of power failure.

Other outstanding features

■ Food-proof stainless steel leaf surfaces
■ Made from galvanised steel sheet, painted or laminated
■ Available in a variety of colours and surface variants
■ Installation variants for masonry, concrete, panels
■ Optionally with automatic electrical drive, UPS buffer, cord switch, block-type lock
■ Tested under DIN 4102 and DIN EN 1634-1

	KTS/GTS-T30		KTS/GTS-T60		KTS/GTS-T90	
Application	Chill room	Freezer room	Chill room	Freezer room	Chill room	Freezer room
Temperature range	0 °C to +8 °C	0 °C to -28 °C	0 °C to +8 °C	0 °C to -28 °C	0 °C to +8 °C	0 °C to -28 °C
Door leaf	single-leaf		single-leaf		single-leaf	
Leaf thickness	approx. 100 mm		approx. 100 mm		approx. 100 mm	
Leaf surface	galvanised steel sheet, painted or laminated/stainless steel sheet					
Surface variants						
Stainless steel	circular brush finish, matt brush finish 180 (burnished)					
Galvanised steel sheet (painted or laminated)	RAL 9001, RAL 9002		RAL 9001, RAL 9002		RAL 9001, RAL 9002	
Frames						
Version	sill frame (with various wall connection types depending on installation situation)/when installed in panels: clamping frame					
Frame material and surfaces						
Stainless steel sheet	matt brush finish 180 (burnished)		matt brush finish 180 (burnished)		matt brush finish 180 (burnished)	
Galvanised steel sheet	•		•		•	
Installation variants*						
Masonry (DIN 1053-1)	> 240 mm		> 240 mm		> 240 mm	
Concrete (DIN 1045-1)	> 140 mm		> 140 mm		> 140 mm	
Panels (construction authority approved)	F90 > 100 mm		- - -		- - -	
Approved door sizes*	Clear opening COW x COH		Clear opening COW x COH		Clear opening COW x COH	
Installed in: masonry, concrete	min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm		min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm		min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm	
Installed in: panels	min. 1000 mm x 2000 mm max. 2000 mm x 2500 mm		- - -		- - -	
Trim variants						
RZ3 incl. light barrier (VDS certified)	smoke protection centre for conveyor system closures: optional extra					
Closure	block-type lock with integrated emergency release: optional extra					
"cool it" light grid system** (Innovation)	non-contact closing edge security device (as part of integrated infrared light grid system): optional extra					
Automatic electrical drive	"cool it" safety drive unit (~230 V, 50.60 HZ) with variable frequency control: optional extra					
Approval*						
Approval granted in:	D, CH		CH		D	
Safety certificates	CE, VDE, TÜV GS, TÜV prototype tested, DIN EN 13241-1, DIN 4102, DIN EN 1634-1					

* All measurements for installation variants and approved door sizes are based on German approvals. Country-specific variations are possible.
Approvals depend on the individual installation situation and installation variants.
In European countries not shown in the list, approval may be granted by the local fire protection authorities on application quoting
the German approval number and DIN EN 1634-1 – "cool it" will be glad to help you with any questions. Just ask us.

** For constructional reasons, the "cool it" light grid system can only be used in conjunction with a mechanical contact bar.

cool it hinged and sliding fire doors for utility rooms
are the sensible complement to innovative
system solutions wherever cooling and freezing are
not required.

Hinged utility room fire doors by cool it:

The perfect complement where there is no need for chilling or freezing. Specially designed for use in the food industry.
In high-grade stainless steel – for maximum hygiene and lasting corrosion protection.

cool it hinged utility room doors with integrated fire protection – the ideal complement

- BT-T30, BT-T90 (single-leaf)
- ZBT-T30, ZBT-T90 (double-leaf)

Utility room fire doors by "cool it" are available in two different leaf thicknesses: 52 mm (BT-T30) and 73 mm (BT-T90).
The Models BT-T30 and BT-T90 are also available as double-leaf variants.

Other outstanding features

- Hygienically safe surfaces made of stainless steel
- Made from galvanised steel sheet, painted or laminated
- Available in a variety of colours and surface variants
- With top-mounted door closer
- Installation variants for masonry, concrete, panels and timber frames
- Tested under DIN 4102 and DIN EN 1634-1

	BT-T30	**ZBT-T30**	**BT-T90**
Application	Utility room	Utility room	Utility room
Door leaf	single-leaf	double-leaf	single-leaf
Leaf thickness	approx. 52 mm	approx. 52 mm	approx. 73 mm
Leaf surface	stainless steel sheet	stainless steel sheet	stainless steel sheet
Surface variants			
Stainless steel sheet	circular brush finish, matt brush finish 180 (burnished)		
Frames			
Version	corner frame, wrap-around frame, block frame		corner frame, block frame
Frame material and surfaces			
Stainless steel sheet	circular brush finish, matt brush finish 180 (burnished)		
Installation variants*			
Masonry (DIN 1053-1)	> 115 mm	> 115 mm	> 175 mm
Concrete (DIN 1045-1)	> 100 mm	> 100 mm	> 140 mm
Aerated concrete (DIN 4165)	> 150 mm	- - -	> 200 mm
Timber frame (DIN 4102-4)	F90 > 100 mm	F90 > 100 mm	F90 > 100 mm
Approved door sizes*	Structural opening size	Structural opening size	Structural opening size
Installed in: masonry, concrete	min. 625 mm x 1750 mm max. 1250 mm x 2500 mm	min. 1375 mm x 1750 mm max. 2500 mm x 2500 mm	min. 625 mm x 1750 mm max. 1250 mm x 2500 mm
Installed in: timber frames	min. 625 mm x 1750 mm max. 1250 mm x 2500 mm	min. 1375 mm x 1750 mm max. 2500 mm x 2500 mm	min. 625 mm x 1750 mm max. 1250 mm x 2500 mm
Trim variants			
Smoke control door (DIN 18095-1)	optional extra	optional extra	optional extra
Window	optional extra	optional extra	optional extra
Closer	optional extra	optional extra	optional extra
Approval*			
Approval granted in:	D, CH	D, CH	D, CH
Safety certificates	CE, VDE, TÜV GS, TÜV prototype tested, DIN EN 13241-1, DIN 4102, DIN EN 1634-1		

* All measurements for installation variants and approved door sizes are based on German approvals. Country-specific variations are possible.
 Approvals depend on the individual installation situation and installation variants.
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 the German approval number and DIN EN 1634-1 – "cool it" will be glad to help you with any questions. Just ask us.

ZBT-T90

Utility room

double-leaf
approx. 73 mm
stainless steel sheet

corner frame, block frame

> 175 mm
> 140 mm
> 200 mm
F90 > 100 mm

Structural opening size
min. 1375 mm x 1750 mm
max. 2500 mm x 2500 mm

min. 1375 mm x 1750 mm
max. 2500 mm x 2500 mm

optional extra
optional extra
optional extra

D, CH

[1]
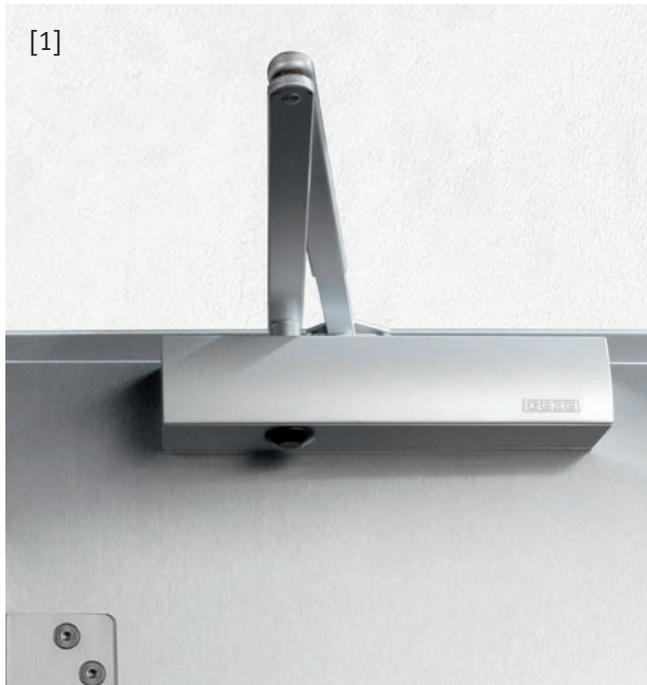
[2]

[3]

[1]
Approved top-mounted closer

[2]
Clamping frame (inside)

[3]
Approved lap hinge

BTS-T30   BTS-T60   BTS-T90

Sliding utility room fire doors by cool it
meet the highest demands for form and function.

[1]

[2]

cool it utility room sliding doors with integrated fire protection – versatile and convenient

■ BTS-T30, BTS-T60 and BTS-T90

Sliding fire doors for utility rooms are available from "cool it" to meet the T30, T60 and T90 standards. Robust stainless-steel guide rails ensure long-lasting trouble-free operation.

A range of optional extras, such as the automatic electrical drive with UPS buffer for convenient opening and closing, are available for these models.

Other outstanding features

■ Hygienically safe surfaces made of stainless steel

■ Made from galvanised steel sheet, painted or laminated

■ Available in a variety of colours and surface variants

■ For installation in masonry, concrete, panels

■ Smoke protection centre (RZ24) triggers controlled closing by counterweights in the event of fire

■ Optionally with automatic electrical drive, UPS buffer, cord switch, block-type lock

■ Tested under DIN 4102 and DIN EN 1634-1

	BTS-T30	BTS-T60	BTS-T90
Application	Utility room	Utility room	Utility room
Door leaf	single-leaf	single-leaf	single-leaf
Leaf thickness	approx. 100 mm	approx. 100 mm	approx. 100 mm
Leaf surface	galvanised steel sheet, painted or laminated/stainless steel sheet		
Surface variants			
Stainless steel sheet	circular brush finish, matt brush finish 180 (burnished)		
Galvanised steel sheet (painted or laminated)	RAL 9001, RAL 9002	RAL 9001, RAL 9002	RAL 9001, RAL 9002
Frames			
Version	sill frame (with various wall connection types depending on installation situation)/when installed in panels: clamping frame		
Frame material and surfaces			
Stainless steel sheet	matt brush finish 180 (burnished)	matt brush finish 180 (burnished)	matt brush finish 180 (burnished)
Galvanised steel sheet	•	•	•
Installation variants*			
Masonry (DIN 1053-1)	> 240 mm	> 240 mm	> 240 mm
Concrete (DIN 1045-1)	> 140 mm	> 140 mm	> 140 mm
Panels (construction authority approved)	F90 > 100 mm	- - -	- - -
Approved door sizes*	Clear opening COW x COH	Clear opening COW x COH	Clear opening COW x COH
Installed in: masonry, concrete	min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm	min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm	min. 1000 mm x 2000 mm max. 3000 mm x 3500 mm
Installed in: panels	min. 1000 mm x 2000 mm max. 2000 mm x 2500 mm	- - -	- - -
Trim variants			
RZ3 incl. light barrier (VDS certified)	smoke protection centre for conveyor system closures: optional extra		
Closure	block-type lock with integrated emergency release: optional extra		
"cool it" light grid system** (Innovation)	non-contact closing edge security device (as part of integrated infrared light grid system): optional extra		
Automatic electrical drive	"cool it" safety drive unit (~230 V, 50.60 HZ) with variable frequency control: optional extra		
Approval*			
Approval granted in:	D, CH	D, CH	D, CH
Safety certificates	CE, VDE, TÜV GS, TÜV prototype tested, DIN EN 13241-1, DIN 4102, DIN EN 1634-1		

*   All measurements for installation variants and approved door sizes are based on German approvals. Country-specific variations are possible.
   Approvals depend on the individual installation situation and installation variants.
   In European countries not shown in the list, approval may be granted by the local fire protection authorities on application quoting
   the German approval number and DIN EN 1634-1 – "cool it" will be glad to help you with any questions. Just ask us.

** For constructional reasons, the "cool it" light grid system can only be used in conjunction with a mechanical contact bar.

The frames are another element of special significance for all cool it fire doors: They are an important part of the design principle, and therefore make a major contribution to fire resistance.

It takes the right frame to turn "cool it" fire doors into an insurmountable obstacle to fire. Their special design based on the labyrinth principle makes it harder for flames to penetrate. The frames also employ special high-tech materials that start foaming at a temperature of approx. 300 °C, thereby sealing the door gap. This reliably prevents flames from passing through. All frames are made from sheet steel 1.5 mm thick.

Frames for hinged fire doors for chill and freezer rooms

KT-T30, GT-T30, KT-T90, GT-T90

- Installation situation shown: masonry
- Wall opening size =
  Clear opening width: +250 mm
  Clear opening height: +125 mm
  (from top of finished floor)
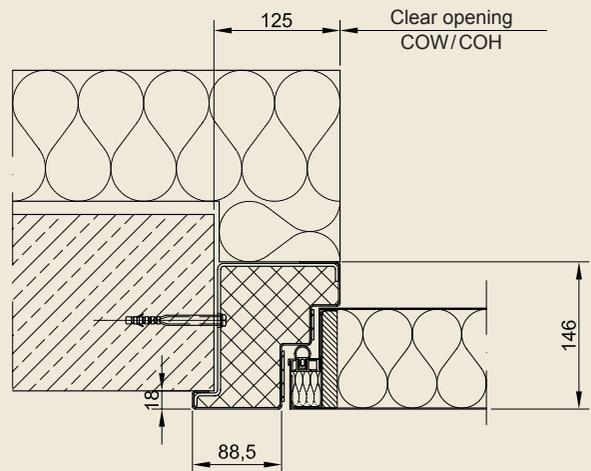
KT-T30, GT-T30, KT-T90, GT-T90

- Installation situation shown: on masonry
- Wall opening size =
  Clear opening width
 Clear opening height (from top of finished floor)

KT-T30, GT-T30

- Installation situation shown: wallboards
- Wall opening size =
  Clear opening width: +220 mm
  Clear opening height: +110 mm
 (from top of finished floor)

110

Clear opening
COW / COH

146

18

88,5

KT-T30, GT-T30

- Installation situation shown: panels
- Cut panel size =
  Clear opening width: +220 mm
  Clear opening height: +110 mm
 (from top of finished floor)

110

Clear opening
COW / COH

Panel thickness

Panel thickness+ 38 mm

20

18

88,5
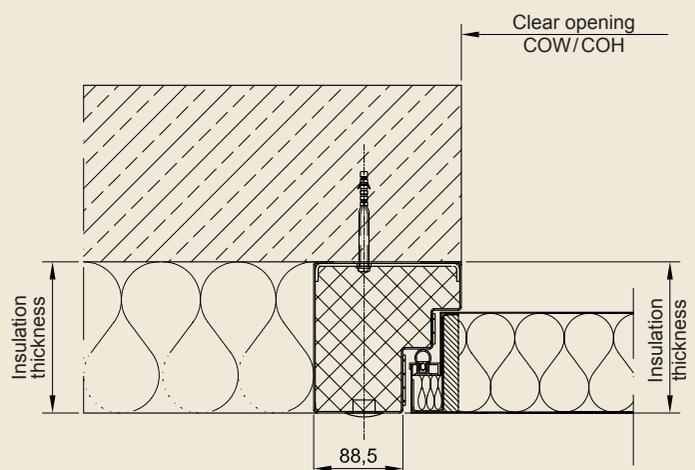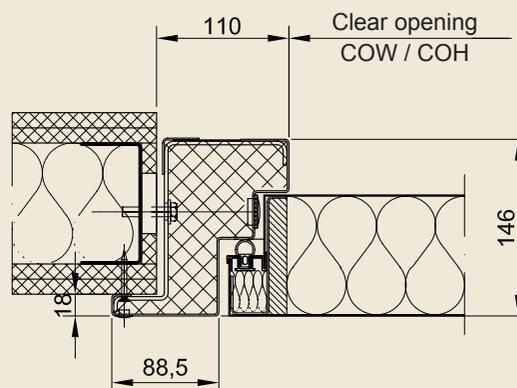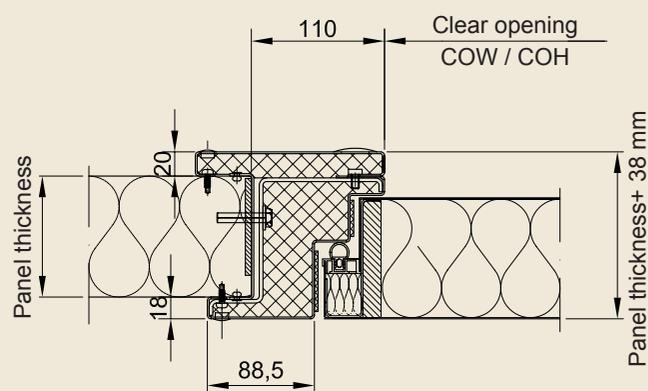
## Frames for hinged fire doors for utility rooms

BT-T30

- Installation situation shown: wallboards
- Wall opening size =
  Clear opening width: +70 mm
  Clear opening height: +35 mm
  (from top of finished floor)

35

Clear opening
COW / COH

18

Wallboard
thickness+ 38 mm

20

45
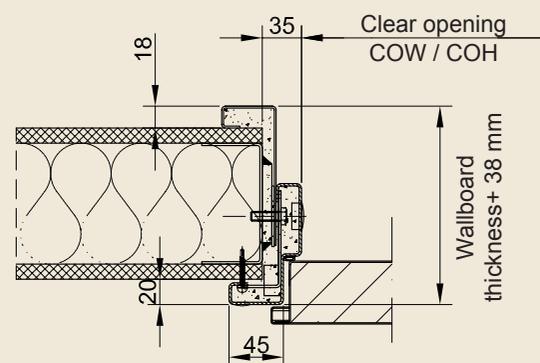
BT-T30 with smokeproof frame

- Installation situation shown: masonry
- Wall opening size =
  Clear opening width: +70 mm
  Clear opening height: +35 mm (from top of finished floor)

35   Clear opening
     COW / COH

100

20

45
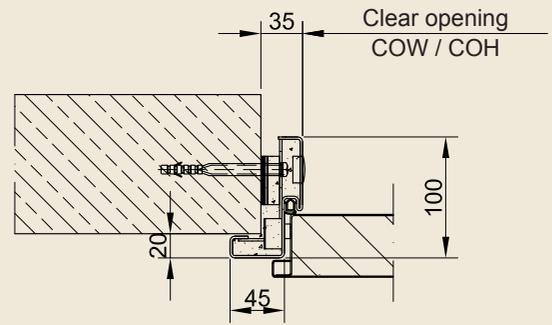
Retractable floor seal for smokeproof door

FFL
±0
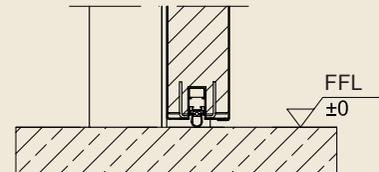
Frames for sliding fire doors for utility, chill and freezer rooms

BTS-T30, KTS-T30, GTS-T30
BTS-T90, KTS-T90, GTS-T90

- Installation situation shown:
 masonry with insulated soffits
- Wall opening size =
  Clear opening width: +300 mm
  Clear opening height: +150 mm
  (from top of finished floor)

Clear opening   150
COW / COH

50

150

188
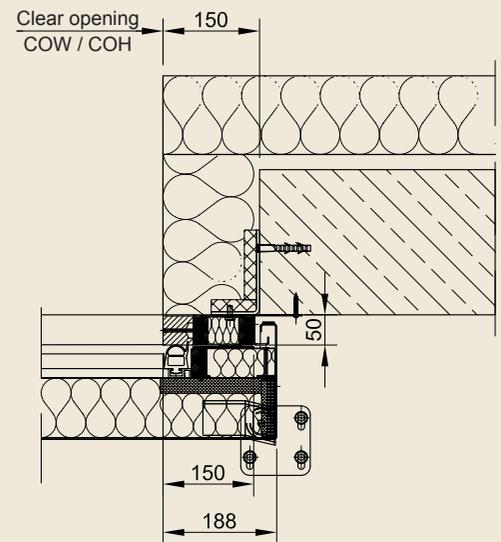
BTS-T30, KTS-T30, GTS-T30
### BTS-T90, KTS-T90, GTS-T90

- Installation situation shown:
  masonry with surrounding insulation
- Wall opening size =
  Clear opening width: +300 mm
  Clear opening height: +150 mm
 (from top of finished floor)

Clear opening   150
COW / COH

50

150

188

Clear opening
COW / COH
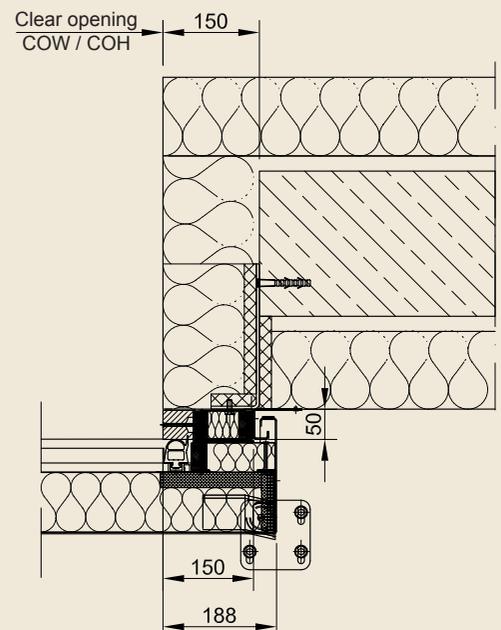
BTS-T30, KTS-T30, GTS-T30
BTS-T90, KTS-T90, GTS-T90

- Installation situation shown:
  masonry with insulation
- Wall opening size =
  Clear opening width
  Clear opening height (from top of finished floor)

50

150

188
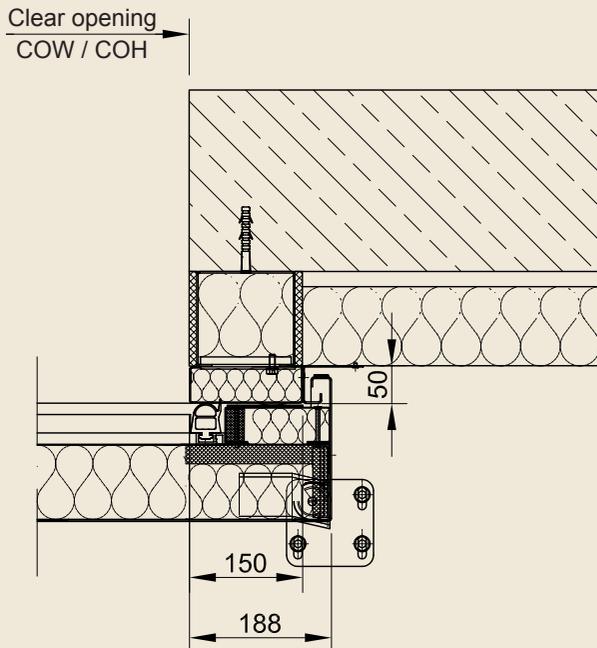
BTS-T30, KTS-T30, GTS-T30

- Installation situation shown: panels
- Cut panel size =
  Clear opening width: +20 mm
  Clear opening height: +10 mm
  (from top of finished floor)

Clear opening
COW / COH

10

Panel

50

150

188
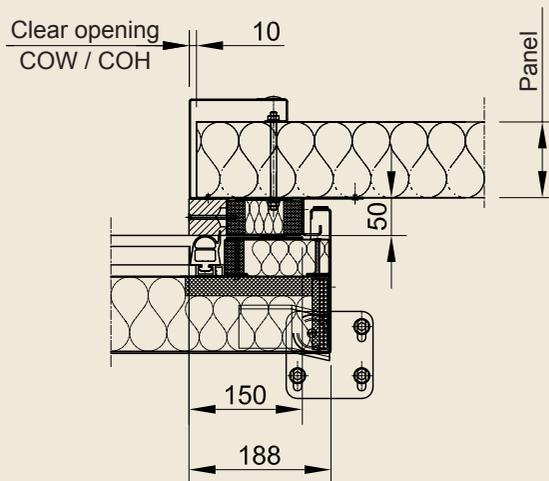
Frames for sliding fire doors for utility rooms

BTS-T30, BTS-T90

- Installation situation shown: masonry
- Wall opening size =
  Clear opening width
  Clear opening height (from top of finished floor)

Clear opening
COW / COH

50

150

188
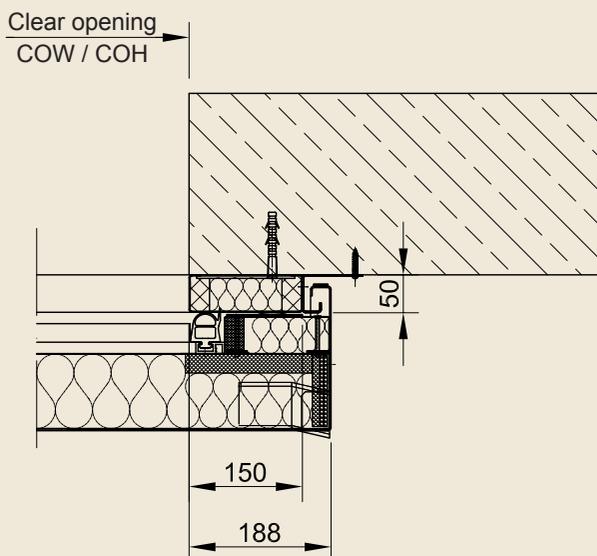
Public authority approval and compliance with widespread standards make cool it fire doors the official solution when it comes to fire protection.

Safe use throughout Europe

Whether as basic versions or with optional extras such as reliable innovative drives for rapid opening and closing or intelligent control units for a wide range of operating variants – all "cool it" fire doors are tested and approved in accordance with current conditions and requirements.

This makes it easy to satisfy the requirements of fire protection legislation in every situation.

Cross-border approval

Fire doors by "cool it" can be used in many European countries.

Depending on the type of door, either approval based on DIN 4102 and DIN EN 1634-1 has already been granted, or approval is granted by arrangement with the local fire protection authorities on the basis of DIN EN 1634-1.

In the following European countries, approvals have been granted by the institutes listed:

- Germany: MPA, IBMB
- Switzerland: VKF
- France: CTICM
- Netherlands: Efectis/TNO

Overview of cool it fire door approvals in Europe

- Approvals granted on basis of DIN 4102 and DIN EN 1634-1
- Approvals on basis of DIN 4102 and DIN EN 1634-1 are granted by arrangement with local fire protection authorities
- Approvals have been granted by the institutes shown
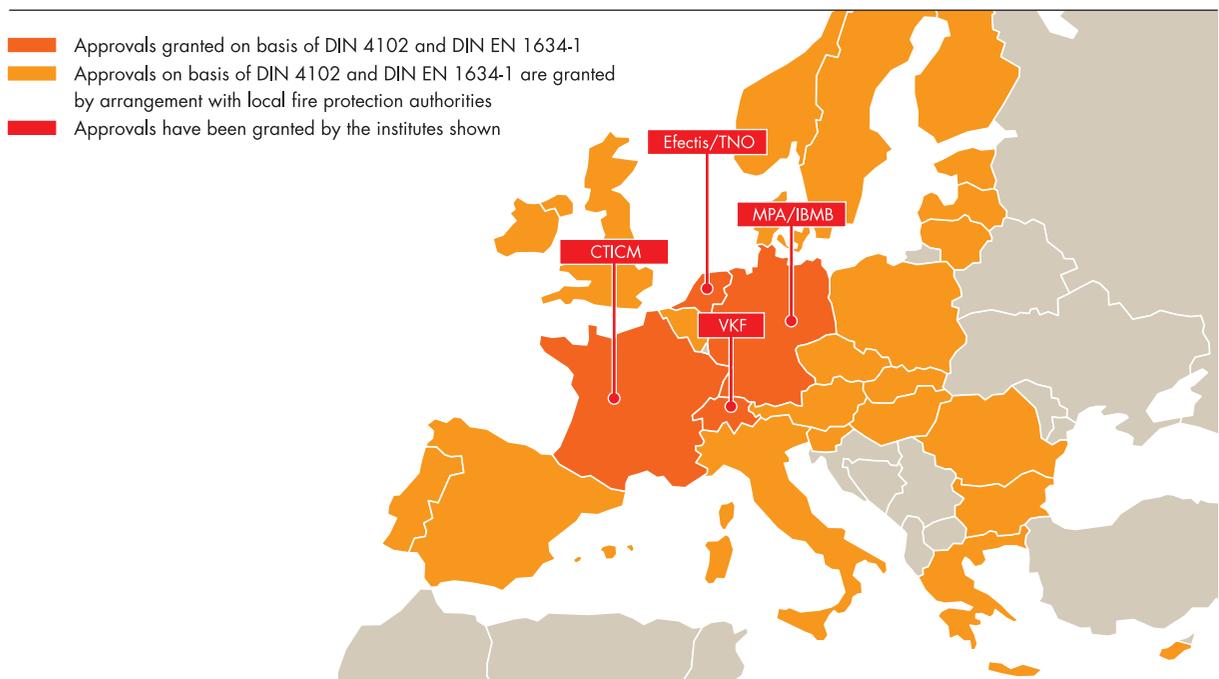
Exemplary service and comprehensive advice underline the uncompromising customer orientation of cool it.

Here too our aim is to set standards and to keep improving the best there is.

Comprehensive advice

Made-to-measure advisory services and targeted support are characteristic of the spirit of partnership that prevails at "cool it". We focus on the constant quest for efficient solutions for individual areas of application and on close cooperation with experienced planners.

Comprehensive supply service

It goes without saying that we ensure prompt and reliable shipping of all orders. The first speedy step is an immediate quotation. Strict compliance with delivery deadlines is a matter of course for "cool it". As part of its door-to-door service, "cool it" also looks after the entire shipping arrangements.

## Comprehensive customer care

Customer support by "cool it" service teams ensures trouble-free operations for the client at all times. Whether it's a question of on-site installation or repair and maintenance work – "cool it" provides quick and uncomplicated assistance whenever the need arises. Under a service agreement if you wish. By the way: the error display for electronically controlled doors permits reliable remote diagnosis and speedy troubleshooting.

cool it – always there for you!

Please do not hesitate to contact us if you have any questions, wishes or suggestions. We're only a phone call away: Call +49 (0) 54 22 / 609-0 for your competent contact.
Or you can find out more on the Internet:
www.coolit.de

CE-Schiene mit Laufwagen
aus der Absenkung
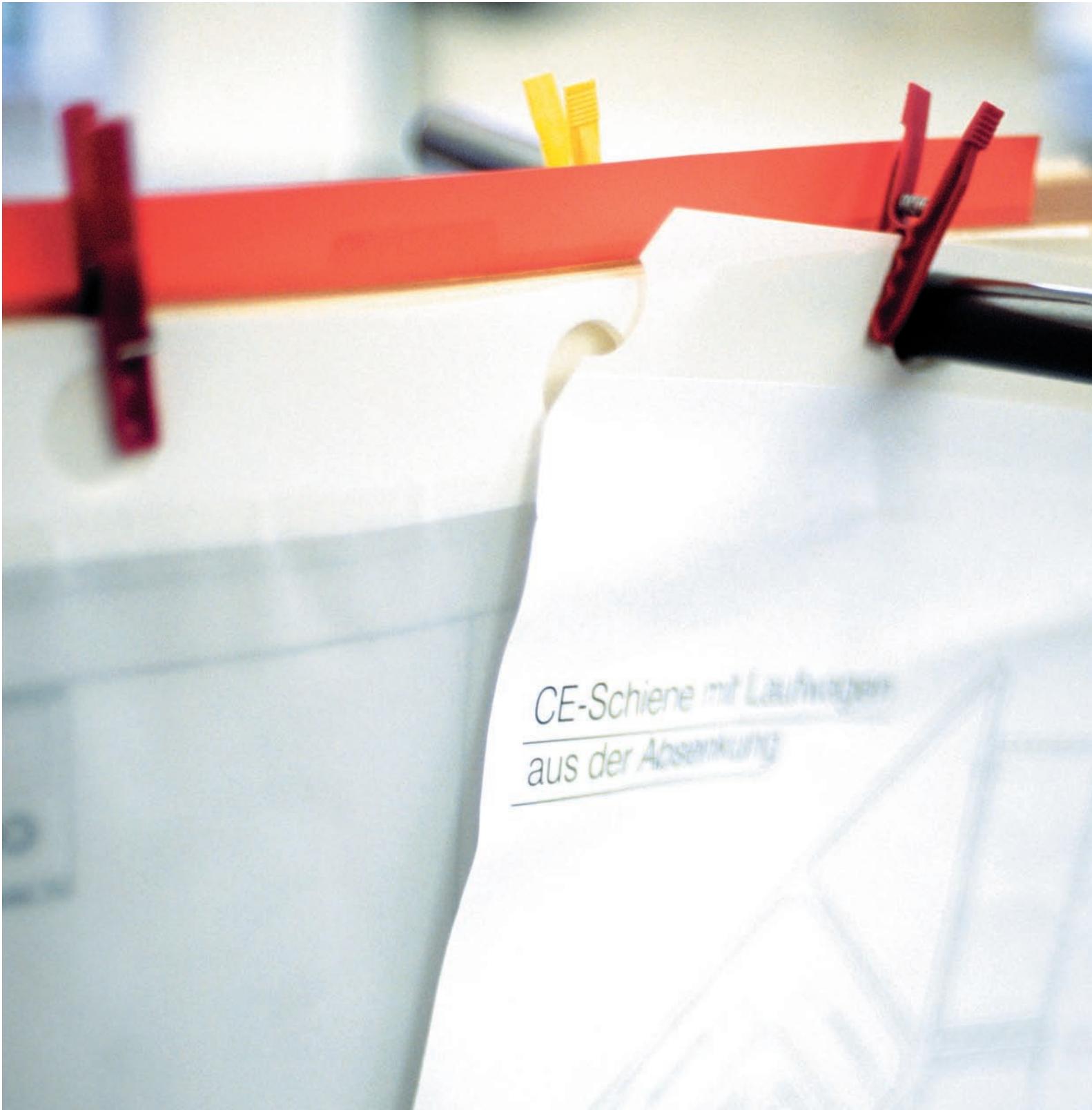
cool it is always at hand with advice and solutions.
For example, all the important information you need
for your planning. Just call us, or visit our website:
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