

Setting standards

Sliding doors by cool it – unique in design and function



Innovation based on experience

For the past 25 years, "cool it" has been producing innovative door systems that are totally practical in form and function. Whether in food production and storage or in other sensitive areas – wherever there is a need for workable solutions and maximum flexibility, "cool it" doors have proved their worth. For example, the high-quality "cool it" sliding doors. See for yourself.

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 (El₂ 30, El₂ 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



Sliding doors

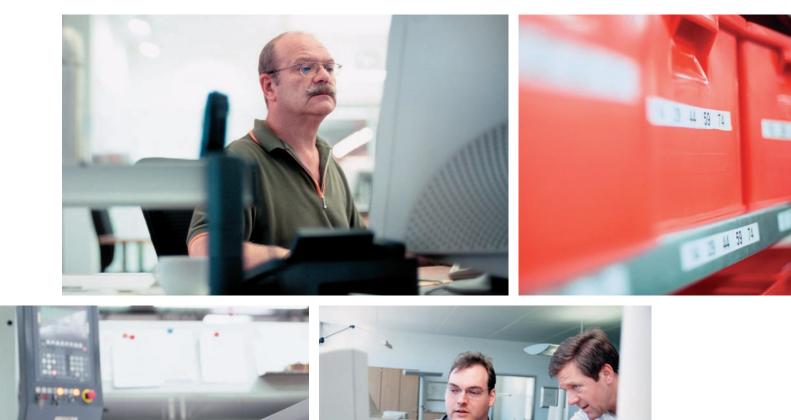
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Sliding doors by cool it set standards: our claim is underlined by high-grade materials, perfect workmanship and custom-made equipment. Convincing product performance in form and function makes cool it sliding doors the ideal solution.

Some 25 years' experience, research and development are embodied in cool it sliding doors

Continuous innovation and an ongoing dialogue with our customers are the crucial principles behind the design of every door. On this basis we develop tried-and-tested user-oriented product solutions that demonstrate their class in everyday situations. "cool it" supplies sliding doors for every purpose – from basic, economical doors to high-end versions that leave nothing to be desired. Naturally we offer not only stand-alone solutions, but also complete system solutions. Which means the "cool it" sliding door programme is outstanding for its great product diversity. Whatever your needs when it comes to closing rooms – "cool it" always has the right sliding door for you.





Individually customised

The modular product concept makes it possible to produce every sliding door to meet the customer's individual needs and equip it with the appropriate fittings and extras. Depending on the model, a variety of components are available for additional customisation.

Trend-setting technology

The highly innovative equipment option: the "cool it" light grid system. The non-contact closing edge security device integrated in the door spreads a dense grid of infrared beams across the door opening. This permits reliable monitoring of the entire 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 (no mechanical contact bar required)

Unique for every task

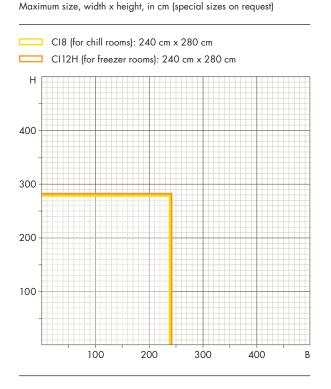
The outstanding product properties of "cool it" sliding doors ensure trouble-free operation in a large number of working environments. Especially in areas that demand maximum efficiency and safety. For example,

- Food processing
- Temperature-controlled food logistics and storage
- Catering and restaurant sector
- Research and development
- Pharmaceutical, medical technology and chemicals sector



cool it sliding doors for chill and freezer rooms are the ideal solution for efficient workflow design in temperature-controlled processing and storage environments.

The cool it CI sliding door combines economic aspects with proven cool it properties. This makes it an interesting door for a wide range of applications.



Opening size, sliding door for chill and freezer

rooms: Cl

The cool it CI sliding door is the logical solution wherever the prime focus is on economy

This is because it is not only economical in terms of initial cost, but also minimises packaging and transport costs. The only areas where the CI does not skimp are the quality of the materials used and the high functionality, which is always at the forefront in these doors. This is also reflected in the simplicity of their installation.



Speedy installation is guaranteed, and the doors are easy to set and adjust. One reason for this is the modern design concept of the CI, with its marked reduction in the number of parts needed. Ingenious design details make this door an attractive alternative: For example, the frame also doubles as running rail.

Economical need not mean cheap

The CI door by "cool it" proves this in many ways. Its modular concept permits upgrading with numerous technical equipment options. The CI by "cool it" has enormous potential. Cl8 Freezer room sliding door manual operation

	CI8	CI12H	
Application	Chill room	Freezer room	
Temperature range	0 °C to +8 °C	0 °C to -28 °C	
Door leaf	single-leaf	single-leaf	
Leaf thickness	80 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-free)	
Leaf surface	galvanised steel sheet, painted or lamin	nated/stainless-steel sheet	
Surface variants			
Stainless steel	V2A (1.4301), V4A (1.4401) circular brush finish, matt brush finish 180 (burnished), strip finish		
Galvanised steel sheet (painted)	RAL 9010, 9006, 9002, 9001, 7035, 5010, 3000, 1021, 1019, 1015*		
Galvanised steel sheet (laminated)	RAL 9001, 9010		
Frame			
Thermotec flat frame	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm with self- regulating energy-saving heater cable	
Material	high-grade plastic insulation with hygie	enic gel coating in RAL 9002	
Surface	metal cladding of the upright parts of the frame is available as an option		
Installation variants			
Masonry	frame with wall ties, or direct screw mounting through frame		
Panels	with corner clamping frame 100 mm x 30 mm x panel thickness as counterframe or panel fixing using screws and soffit plate		
Track	frame head as track, made from polyethylene 500 in anthracite	frame head as track, made from polyethylene 500 in anthracite, with self-regulating energy-saving heater cable	
Handles and fittings			
Plastic recess handle	standard		
VA handle	optional extra	optional extra	
VA push grip (opening aid)	recommended for leaf size 5 m² and over	standard	
Plastic recess handle on inside	standard	standard	
Trim variants			
Locking mechanism	block-type lock with integrated emergency release: optional extra		
Safety certificates	CE, VDE, TÜV GS, TÜV prototype teste	d, DIN EN 13241-1	

[1] [2] Combined frame/track profile (with running roller and securing system)

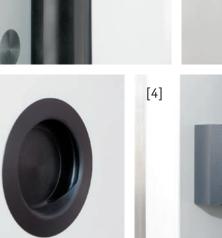
[3] Plastic recess handle

[4]

Frame contact pressure (front)

[5]

Panel guide/pressure roller



4

[1]

[3]





SI sliding doors are the right choice for a wide variety of

applications. Not only do they set design standards, but they are also suitable for use in sensitive areas.



S18 chill room sliding door with automatic electrical drive

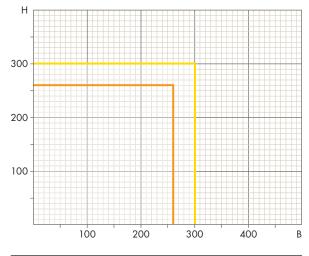
The modern door concept of the SI sliding door by cool it makes it the ideal door for all needs

One example is its use of high-grade materials for the door leaf, surfaces, frame, furniture and guide elements. Or the compactness of the unit, in which the "cool it" development team have succeeded in integrating the running and guide elements. This ensures not only easy maintenance, but also absolutely hygienic operation. A welcome side effect of the compact design is its slim structure and striking looks. The optional electronically controlled automatic system with compact drive element and control unit permits a large number of operating variants – ranging from a simple pedestrian walk through right up to a materials handling control system.

Opening size, sliding door for chill and freezer rooms: SI

Maximum size, width x height, in cm (special sizes on request) Maximum width of automatic versions: 260 cm

\$18/\$112, manual operation (for chill rooms): 300 cm x 300 cm
 \$112H manual operation (for freezer rooms): 260 cm x 260 cm



Innovative safety concept

The "cool it" light grid system is available – as a non-contact closing edge security device – for all SI and CE models. This means:

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

	SI8	SI12	SI12H
Application	Chill room	Chill room	Freezer room
Temperature range	0 °C to +8 °C	0 °C to +8 °C	0 °C to -28 °C
Door leaf	single-leaf	single-leaf	single-leaf
Leaf thickness	80 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-fre
Leaf surface	galvanised steel sheet, painted or lam	inated/stainless-steel sheet	
Surface variants			
Stainless steel	V2A (1.4301), V4A (1.4401) circular	brush finish, matt brush finish 180 (burn	ished), strip finish
Galvanised steel sheet (painted)	RAL 9010, 9006, 9002, 9001, 7035	, 5010, 3000, 1021, 1019, 1015 (other	colours available on request)
Galvanised steel sheet (laminated)	RAL 9001, 9010		
Frame			
Thermotec flat frame	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm with regulating energy-saving heater c
Material	high-grade plastic insulation with hyg	ienic gel coating in RAL 9002	
Surface	metal cladding of the frame is availab	le as an option	
Installation variants			
Masonry	frame with wall ties, or direct screw m	ounting through frame	
Panels	with corner clamping frame 100 mm x 30 mm x panel thickness as counterframe or panel fixing using screws and soffit plate using screws and soffit plate		
Track	stainless steel	stainless steel	stainless steel
Handles and fittings			
VA handle	standard	standard	standard for automatic
VA push grip (opening aid)	recommended for leaf size 5 m² and over	recommended for leaf size 5 m² and over	standard (except automatic)
Plastic recess handle on inside	standard	standard	standard
Trim variants			
Locking mechanism	block-type lock with integrated emerg	ency release: optional extra	
Meat rail passage	as leaf cut out	as leaf cut out	
"cool it" light grid system	non-contact closing edge security dev	ice (as part of integrated infrared light g	id system): optional extra
Automatic electrical drive	"cool it" safety drive unit (230 V, 50.60 Hz) with variable frequency control, complete with manual button, fully pre-assembled and ready to plug in: optional extra		

Stainless steel track including leaf suspension element

[2]

"cool it" automatic electrical drive (variable frequency control)

[3] "cool it" stainless steel bar handle

[4]

Block-type lock with cylinder and integrated emergency release

[5] Anti-derail security

system

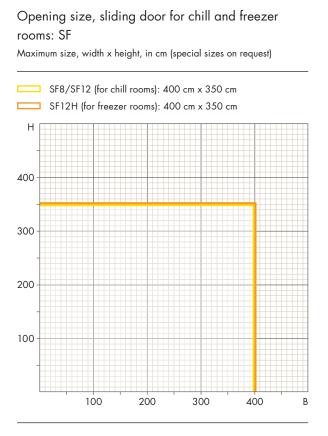
[6] [7] Rear leaf guide with contact pressure

[8] Front contact pressure



SF sliding doors are a real alternative for demanding

applications in many different areas. Despite its great flexibility, the design concept always focuses on essentials.



The SF door by cool it complements the sliding door programme for chill and freezer rooms

It represents the perfect combination of functional product aspects and sophisticated solutions to create a reliable room closure. The SF sliding door is particularly suitable for special sizes and offers great user convenience on cost-effective terms.



A door for special working environments

A high degree of flexibility, robustness and a wide range of optional extras make the SF the right door for user-oriented applications.

SF8

freezer room sliding door with operating lever and block-type lock

14				
	SF8	SF12	SF12H	
Application	Chill room	Chill room	Freezer room	
Temperature range	0 °C to +8 °C	0 °C to +8 °C	0 °C to -28 °C	
Door leaf	single-leaf	single-leaf	single-leaf	
Leaf thickness	80 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-free)	
Leaf surface	galvanised steel sheet, painted or lam	inated/stainless-steel sheet		
Surface variants				
Stainless steel	V2A (1.4301), V4A (1.4401) circular	brush finish, matt brush finish 180 (burnis	shed), strip finish	
Galvanised steel sheet (painted)	RAL 9010, 9006, 9002, 9001, 7035	, 5010, 3000, 1021, 1019, 1015 (other	colours available on request)	
Galvanised steel sheet (laminated)	RAL 9001, 9010			
Frame				
Thermotec flat frame	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm with self- regulating energy-saving heater cable	
Material	high-grade plastic insulation with hyg	ienic ael coatina in RAI 9002		
Surface		metal cladding of the frame is available as an option		
Installation variants	Ŭ			
Masonry	frame with wall ties, or direct screw m	ounting through frame		
Panels		frame with wall ties, or direct screw mounting through frame with corner clamping frame 100 mm x 30 mm x panel thickness as counterframe or panel fixing using screws and soffit plate		
Track	aluminium profile	aluminium profile	aluminium profile	
Handles and fittings				
VA handle	standard for doors with automatic system	standard for doors with automatic system	standard for doors with automatic system	
VA push grip (opening aid)	recommended for leaf size 5 m² and over	recommended for leaf size 5 m² and over	standard	
Plastic recess handle on inside	standard	standard	standard	
Trim variants				
Locking mechanism	block-type lock with integrated emerg	block-type lock with integrated emergency release: optional extra		
Meat rail passage	as separated running rail with meat rail attachment			
Automatic electrical drive	"cool it" safety drive unit (230 V, 50.60 Hz) with variable frequency control, complete with manual button, fully pre-assembled and ready to plug in: optional extra			
Safety certificates	CE, VDE, TÜV GS, TÜV prototype test	ed, DIN EN 13241-1		

ZSF Speed-Slide

Chill room	Freezer room
0°C to +8°C	0 °C to -28 °C

double-leaf

120 mm PU foam-filled (CFC-free)

flat frame 150 mm x 50 mm (for freezer rooms: with self-regulating energy-saving heater cable)

aluminium profile

standard

- - -

standard

- - -

"cool it" safety drive unit (230V, 50.60 Hz) with variable frequency control, complete with manual button, fully pre-assembled and read to plug in, linked to Speed-Slide automatic system (opening speed up to 1.65 m/sec.) with integrated anti-crash device using special radar sensor





[1]

ZSF12H Speed-Slide (high-speed sliding door for freezer rooms)

[2]

SF12H freezer room sliding door with heated block-type lock

CE sliding doors are the dependable solution for demanding tasks in all areas. Their robust and variable construction makes them unusually versatile.



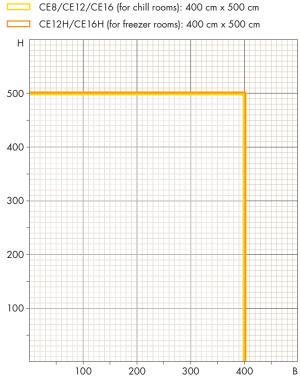
CE12H sliding door for freezer rooms with automatic electrical drive and collision protection

The CE sliding door by cool it fulfils every wish

That's because so many technical options and equipment variants come as standard with the CE. Which makes it one of the proven components of the "cool it" sliding door programme. Thanks to its construction, the CE is particularly suitable for special sizes and challenging solutions for points of detail. Be it meat rail systems with return conveyor, double doors for automatic conveyors in deep-freeze environments, or blast freezer doors – wherever there is a need for sliding door to overcome special challenges, the CE is the dependable solution for high-quality room closure.



Maximum size, width x height, in cm (special sizes on request)



Superbly equipped as standard

Its outstanding versatility and the many high-quality technical features that make up its standard equipment ensure that every CE sliding door by "cool it" is a real high-end model. What's more, the "cool it" light grid system is the ideal add-on.

	CE 8/12/16	CE12H	CE16H	
Application	Chill room	Freezer room	Shock room	
Temperature range	0 °C to +8 °C	0 °C to -28 °C	0 °C to -40 °C	
Door leaf	single-leaf	single-leaf	single-leaf	
Leaf thickness	80 mm/120 mm/160 mm PU foam-filled (CFC-free)	120 mm PU foam-filled (CFC-free)	160 mm PU foam-filled (CFC-free	
Leaf surface	galvanised steel sheet, painted or lam	inated/stainless-steel sheet		
Surface variants				
Stainless steel	V2A (1.4301), V4A (1.4401) circular	r brush finish, matt brush finish 180 (burni	shed), strip finish	
Galvanised steel sheet (painted)	RAL 9010, 9006, 9002, 9001, 7035, 5010, 3000, 1021, 1019, 1015 (other colours available on request)			
Galvanised steel sheet (laminated)	RAL 9001, 9010			
Frame				
Thermotec flat frame	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm	flat frame 150 mm x 50 mm with s regulating energy-saving heater ca	
Material	high-grade plastic insulation with hygienic gel coating in RAL 9002			
Surface	metal cladding of the frame is availab	metal cladding of the frame is available as an option		
Installation variants				
Masonry	frame with wall ties, or direct screw m	ounting through frame		
Panels	with corner clamping frame 100 mm x 30 mm x panel thickness as counterframe or panel fixing using screws and soffit plate			
Track	aluminium profile with stainless steel facing	aluminium profile with stainless steel facing	aluminium profile with stainless steel facing	
Handles and fittings				
CE lock system	with VA handle, integrated opening a	with VA handle, integrated opening aid (operating lever) and cylinder lock with integrated emergency release		
Trim variants				
Meat rail passage	as separated running rail with meat rail attachment			
"cool it" light grid system	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, complete with manual button, fully pre-assembled and ready to plug in: optional extra			
	ety certificates CE, VDE, TÜV GS, TÜV prototype tested, DIN EN 13241-1			





[Illustration left] CE8 chill room sliding door in V2A, circular brush finish, with automatic electrical drive and collision protection

[1] CE8

Chill room sliding door, manual operation

[2] [3] CE8

Chill room sliding door with meat rail passage

[4]

Electrical drive with control unit

[5]

Cross-section: track with electric motor









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cool it sliding doors for utility rooms are the high-quality room closure when there is no call for cooling and freezing. The ideal complement for complete system solutions.

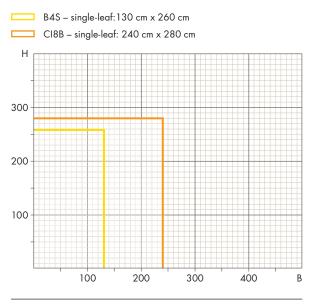


The wide range of sliding doors for utility rooms – from economical solutions to robust all-round doors – offers further

practical products to round off the cool it sliding door programme.

Clear opening size, sliding door for utility rooms: B4S, Cl8B

Maximum size, width x height, in cm (special sizes on request)



B4S – the lightweight door

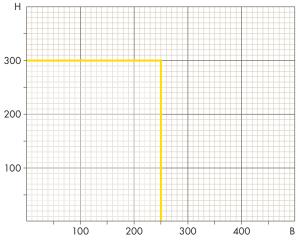
The B4S by "cool it" makes a simple, functional room divider of stable but light construction, with a 40 mm door leaf filled with PU foam. Its surface is optionally stainless steel or painted. The stainless steel wrap-around frame permits straightforward installation in panels. The stainless steel track guarantees the door runs smoothly.

CI8B – the economical door

The CI8B is the first choice when the focus is on economic aspects. This is because it is not only extremely economical in terms of initial outlay, Clear opening size, sliding door for utility rooms: SI8B

Maximum size, width x height, in cm (special sizes on request)





but also saves transport costs. The design concept, with its marked reduction in the number of parts needed, includes several surprising features, such as the combined track and frame.

SI8B – the compact door

The utility room sliding door SI8B is particularly suitable where space is at a premium, thanks to its compact construction with integrated guide and running elements. The modern door concept of the "cool it" SI door series is also embodied in the SI8B – making it ideal for utility rooms where hygiene is important.

	B4S	CI8B	SI8B
Application	Utility room	Utility room	Utility room
Door leaf Leaf thickness	single-leaf 40 mm PU foam-filled (CFC-free)	single-leaf 80 mm PU foam-filled (CFC-free)	single-leaf 80 mm PU foam-filled (CFC-free)
Leaf surface	galvanised steel sheet, painted or lam	sinated/stainless-steel sheet	
Surface variants Stainless steel Galvanised steel sheet (painted) Galvanised steel sheet (laminated)		r brush finish, matt brush finish 180 (burn 5, 5010, 3000, 1021, 1019, 1015 (othei	
Frame			
Туре	corner frame	thermotec flat frame (flat section 150	
Material	stainless steel	high-grade plastic insulation with hygienic gel coating in RAL 9002	
Surface		metal cladding of the frame is available as an option	
Installation variants			
Masonry	corner frame for installation in masonry	frame with wall ties, or direct screw mounting through frame	
Panels	three-part panel fixing as wrap-around frame 0.8 mm with angle seal in surface of door leaf	with corner clamping frame 100 mm x 30 mm x panel thickness as counterframe or panel fixing using screws and soffit plate	
Track	stainless steel	frame head as track, made from polyethylene 500 in anthracite	stainless steel
Handles and fittings			
Plastic recess handle	standard	standard	
VA handle		optional extra	standard
Plastic recess handle on inside	standard	standard	standard
Trim variants			
Locking mechanism	block-type lock: optional extra	block-type lock: optional extra	two-sided cylinder lock: 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, complete with manual button, fully pre-assembled and ready to plug in: optional extra



[3] CI8B

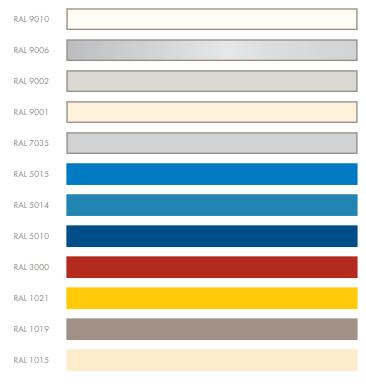
[2] B4S

[1] SI8B

special requirements.

Versatile range of surfaces

All surfaces can be supplied in a wide range of finishes. For example, painted in "Pure white" (RAL 9010), "White aluminium" (metallic finish: RAL 9006), "Grey white" (RAL 9002), "Cream" (RAL 9001), "Light grey" (RAL 7035), Blue (RAL 5015, 5014 and 5010), "Flame red" (RAL 3000), "Rape yellow" (RAL 1021), "Grey beige" (RAL 1019) and "Light ivory" (RAL 1015). Or in the stainless steel variants: matt brush, circular brush and strip finish. Other trim options and finishes are available on request.



The colours shown here may differ slightly from the original RAL colour scale.

Modern drive systems

Reliable drive and control systems ensuring smooth operation are available in a variety of versions for "cool it" sliding doors. They not only make "cool it" doors convenient to use, but also guarantee rapid opening and closing. What's more, they are extremely reliable and, above all, safe – all drive systems are approved and certified in accordance with the usual safety tests and standards. In addition, the error display for electronically controlled doors permits speedy troubleshooting if the need arises. By the way: this modern drive system is available for all "cool it" doors.

Variable control

Intelligent control units with variable frequency control permit a wide range of operating variants – ranging from a simple pedestrian walk-through right up to coordinated opening and closing for conveyor systems. Interesting features such as the automatic safety system with leading radar sensor make for a high degree of crash safety and prevent collisions with the doors. Moreover, a permanent radar curtain ensures effective protection of personnel. "cool it" sliding doors can be equipped with any kind of actuator– cord switches, induction loops, photo-electric cells or radio-operated remote controls.

To ensure simple handling and straightforward installation, all "cool it" sliding doors are pre-assembled ready to plug in, and are preset and tested at the factory. All parameters are set by "cool it" in the interests of easy plug-and-play installation.

Our strong customer orientation is naturally reflected in our advice and service as well.

cool it sets high standards here too, just as with its products.

Comprehensive advice

As a competent partner, "cool it" provides made-tomeasure advisory services for its customers. Including on site. We focus on the quest for efficient solutions for individual areas of application. In close cooperation with experienced planners we develop concepts that break new ground.

Comprehensive supply service

"cool it" ensures prompt and reliable handling of all orders. This includes an immediate individual quotation. Strict compliance with deadlines goes without saying. As part of its door-to-door service, "cool it" also looks after the entire shipping arrangements.

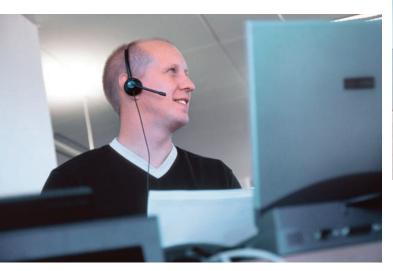
Comprehensive customer care

To ensure trouble-free operation of your business, "cool it" has its own customer service teams. Whether it's a question of on-site installation or of repair and maintenance work – "cool it" provides speedy and straightforward assistance whenever the need arises. Under a service agreement if you wish. By the way: the error display for electronically controlled doors means that in many cases "cool it" can identify faults by remote diagnosis, permitting rapid and reliable rectification.

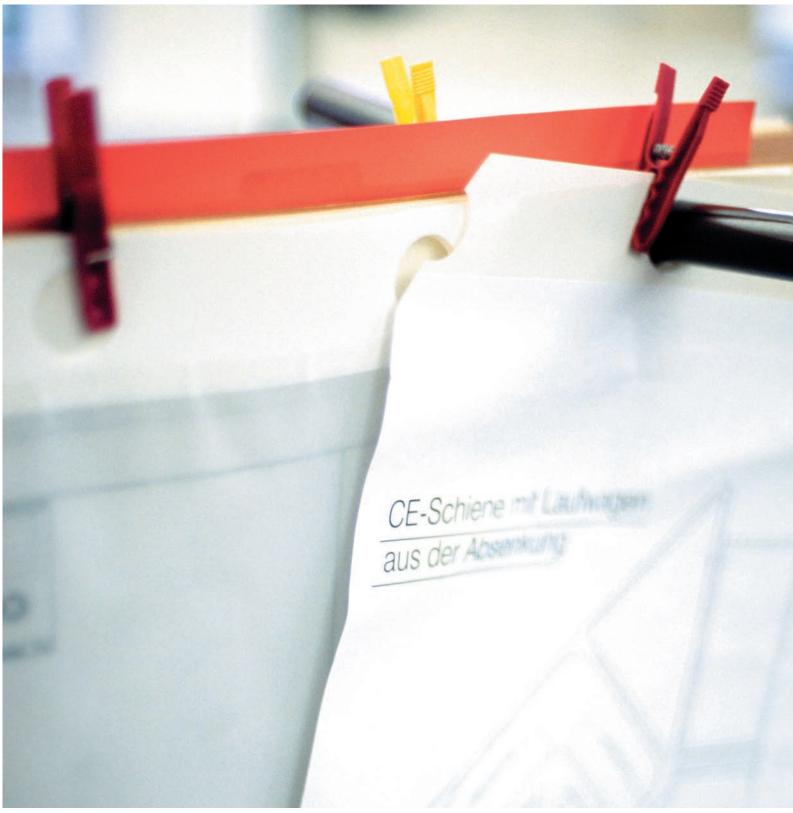
We are there to help you

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









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: www.coolit.de



No drawings here? Stay cool and go online.

At: www.coolit.de/download you'll find technical drawings ready for instant downloading.







Some of the doors shown in this catalogue are equipped with features that are only available at extra cost. The illustrations and details shown may differ from the original product.

All information about supply scope, appearance, services, dimensions etc. is correct at the time of going to press. No liability is accepted for the correctness of this information. We reserve the right to make changes.

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