

Standard programme

insulbar[®] insulating bars for windows, doors and façades

Edition 1-2024

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The thermal break professionals. Innovative and future-oriented – but steeped in tradition!

Plastic insulating profiles are key components for the thermal break of modern window, door and facade systems made of metal. Ensinger profiles are the first choice for qualityconscious system manufacturers and processing companies.

Under the brand name insulbar, Ensinger develops and produces technically superior thermal insulating bars, and for over 40 years has been one of the leading manufacturers worldwide.

Profile professionals and inventors

It was over four decades ago that company founder and pioneer Wilfried Ensinger developed insulating profiles for metal windows, doors and façades. The driving force for this was the rising market demand for thermally improved aluminium systems, in order to thereby save on energy and costs and protect the environment. Nowadays, one associates the name Ensinger with the invention of the plastic insulating bar: durable, stable, quality made in Germany – marketed across the world under the insulbar brand name.

Plastics experts and partners to industry

insulbar represents only a part of Ensinger's extensive range of products and services. The company develops and produces - with its outstanding expertise in plastics - compounds, stock shapes, composites, finished parts and profiles made from technical plastics. These products are used nowadays in nearly all areas of industry and are impressive thanks to their cost-effectiveness and performance advantages. To process the thermoplastic engineering and high-performance plastics, Ensinger uses a number of production techniques, such as extrusion, machining, injection moulding, custom casting, sintering and pressing.

Efficient thermal break of window, door and façade systems with insulbar insulating bars



Aluminium systems are weather-resistant, light and yet stable – but also have a high thermal conduction capacity. insulbar plastic insulating bars minimise this heat loss and thereby enable particularly low U values. In this way the energy consumption and hence heating and cooling costs can be lowered efficiently.

Thermal break of windows, doors and façades

Plastic insulating bars are key components of modern window, door and façade systems made of metal. They thermally decouple aluminium frames and thereby reduce heat losses to a minimum.

Left The Ensinger company headquarters in Nufringen near Stuttgart. Home to the company's administration, production and warehousing activities

The insulbar production facility in Cham, Bavaria.





Insulate effectively and save energy with insulbar insulating profiles

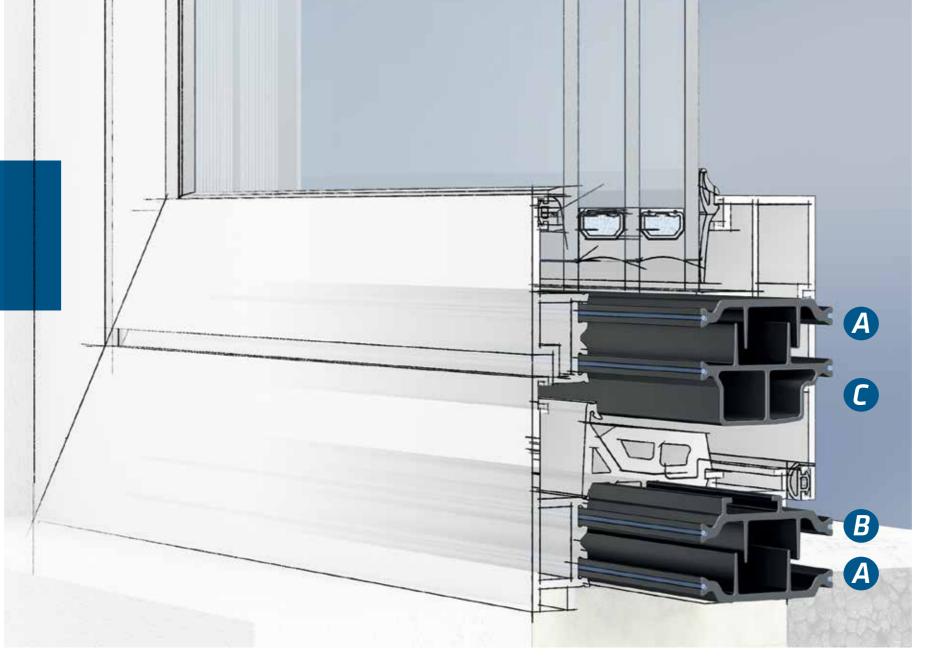
insulbar insulating bars, also known as thermal insulating bars, thermal insulating profiles or insulating profiles, prevent energy losses in buildings very efficiently and enable outstanding Uf values even up to passive house standards. Reduce energy consumption, save on heating and cooling costs and protect the environment in the process - these are the effects which can be achieved with insulbar bars.

With a standard to a system

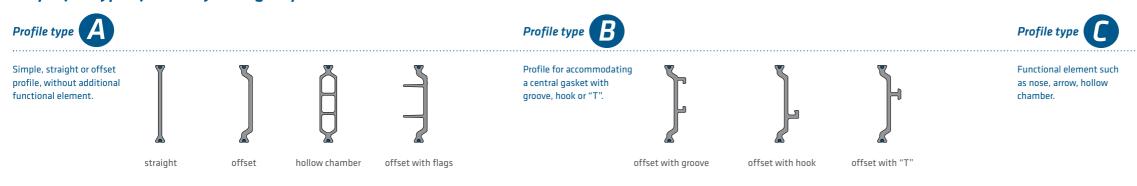
insulbar insulating bars from the standard programme: universal, versatile, economical.

Economical and rapidly available for any task

System manufacturers and metalworkers benefit from an extensive range of standard profiles. Using the insulating bars from the standard programme, nearly all common thermally separated window, door and façade systems can be put together quickly and costeffectively. In addition, no tool costs arise.



All profile types from a system group



Diversity as a matter of course

insulbar standard profiles are available in several geometries, made from different materials and, on request, having undergone further finishing. Depending on the window type and climatic conditions, all requirements for a system are thus optimally fulfilled.

Standard bars - the rapid system solution

For simple and quick complete solutions for tilt and turn windows, we also offer – in the common insulation depths – several system groups as standard. These consist of three different profile types (A, B, C) in an identical size with all the requisite functional zones. The insulating bars within a group have the same base geometries and offset areas and are characterised by their standardised tolerances.







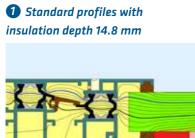
offset with arrow

special hollow chamber

System groups: typical applications

Four schematic window cross sections: the right profile for every requirement

The U_f values and isothermal lines have been calculated using two-dimensional simulation software.

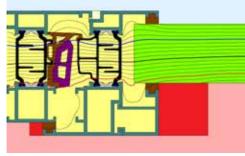


Article number: 2440, 3286, 2167

Installation depth: 45.8 mm Visible width: 90 mm $U_{\rm f} = 3.3 \text{ W/m^2K}$ $U_{w} = 3.1 \text{ W/m}^{2}\text{K}^{*}$ * Double glazing $U_g = 2.7 \text{ W/m^2K}$

Aluminium spacer $\Psi = 0.08$ W/mK

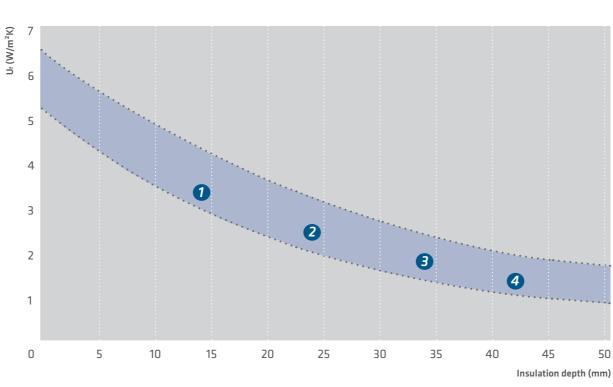
3 Standard profiles with insulation depth 34 mm



Article number: 2807, 2805, 3172*

Installation depth: 68 mm Visible width: 92.5 mm $U_{\rm f} = 1.9 \text{ W/m^2K}$ $U_{w} = 1.1 \text{ W/m}^{2}\text{K}^{*}$ * Triple glazing $U_g = 0.7 \text{ W/m^2K}$ Warm edge spacer $\Psi = 0.044$ W/mK * All profiles with Low-E film on the flags

Influence of insulation depth on the Uf value



The U_f value of a thermally broken tilt and turn window is determined to a large degree by the insulating height of the insulating bar. Gaskets, flags, reflective films, insulating foams etc. also influence the thermal transmission coefficient. As visible from the graphic, the $U_{\rm f}$ value decreases with increasing insulation depth. Numbers 1 to 4 stand for the system cross sections

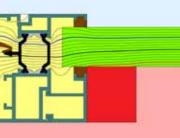
2 Standard profiles with insulation depth 24 mm



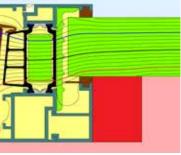
Installation depth: 58 mm Visible width: 92.5 mm $U_{f} = 2.6 \text{ W/m}^{2}\text{K}$ $U_{w} = 1.6 \text{ W/m}^{2}\text{K}^{*}$ * Double glazing $U_g = 1.1 \text{ W/m^2K}$ Warm edge spacer $\Psi = 0.049$ W/mK

4 Standard profiles with insulation depth 42 mm

Installation depth: 76 mm Visible width: 96.5 mm $U_{\rm f} = 1.5 \text{ W/m^2K}$ $U_{w} = 1.0 \text{ W/m}^{2}\text{K}^{*}$ * Triple glazing $U_g = 0.7 \text{ W/m^2K}$ Warm edge spacer $\Psi = 0.044$ W/mK



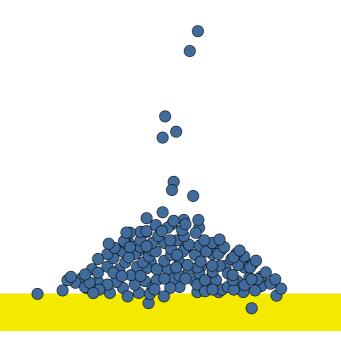
Article number: 3023, 3024, 3285



Article number: 3272, 3273, 3274

Always the right profile

Insulating bars for the thermal break of windows, doors and façades must above all be stable and reliable as well as having a highly insulating effect. But not all bars are the same. Different application requirements require different materials.



insulbar RE made of TECATHERM 66 GF RE

The recycled profile: from 100 % recycled polyamide, unmixed and with an environmental declaration. Thanks to the special upcycling process has outstanding mechanical properties - just like the conventional insulbar insulating bars.

insulbar Ll made of TECATHERM 66 GF

The insulating profile made from foamed polyamide 66 GF with a lambda value of 0.21 W/mK (in the optimum product): ideal for improving existing systems in respect of the U_f value or installation depth.

insulbar REG

made of TECATHERM 66 GF

The universal profile: glass fibre reinforced and capable of withstanding extreme loads, for customary metal frame profiles.

made of TECATHERM 66 GF40

Highly reinforced profile with optimised strength and stiffness: perfect for demanding mechanical applications.



From electrostatically optimised polyamide 66 GF: thanks to improved powder attraction, ideal for powder coating.

insulbar RE-LI

made of TECATHERM 66 GF RE

The bar which combines the low thermal conduction capacity of a foamed polyamide 66 GF with the ecological advantages of recycled material: ideal for green construction.



insulbar materials: it's all about the right mixture

Our standard profiles are made from glass fibre reinforced polyamide 66, which is one of the most important engineering plastics. This material stands out for its optimum mechanical strength, high rigidity and thermal dimensional stability. It conducts little heat and also has a similar linear expansion to aluminium. For decades it has therefore been used for the thermal separation of window, door and façade systems made from aluminium.

Alongside our most commonly used material TECATHERM 66 GF, we also offer other polyamide materials with a variety of property profiles, specific to the profile and application. We will be pleased to advise you, clarify what is feasible and support you when selecting the material.

Certified quality and performance

insulbar bars meet high internationally applicable quality standards. This is proven by a large number of documents, for example the ATG test, Environmental Product Declaration (EPD) and Cradle-to-Cradle Material Health Certificates.



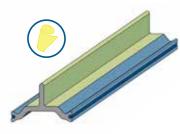






Further finishing at the customer's request

We supply profiles that have already been fully processed with individually defined properties and ready to assemble.

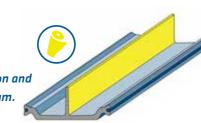


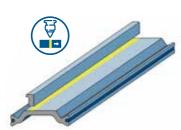
Film-coating with a temperature-resistant, removable film: more possibilities during powder coating

The film protects defined areas of the profile prior to paint application and can subsequently be removed without leaving any residues.

Low-E film: the simple alternative to foam

The insulating profile with a Low-E film 12 ϵ 3 reflects heat radiation and thereby enables reduced U_f values without the additional use of foam.





Milling:

when it's not worth buying a new tool

If there is so little demand for new tools that they do not represent a financially viable alternative, functional zones such as grooves can be removed from existing geometries. Flags, too, can be shortened to a certain length or completely removed.

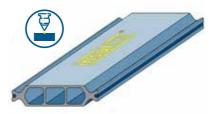
Bundling of the profiles: for easy handling in the production process

In order to facilitate the handling of the insulating profiles during storage, order picking and processing, we offer our customers delivery of the bars in bundles with the desired numbers of units.



Delivery in the form of coils: easy handling, less waste

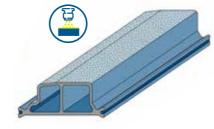
For system manufacturers and processing companies whose logistical processes or processing methods are tailored to coils, we also supply the profiles in roll form if requested - if the geometry permits this.



Marking: for optimised quality assurance With inkjet or laser technology, or through embossing, customerspecific product markings can be applied to the profiles. This ensures reliable traceability of all the associated data.

Sharpening of the profiles: improved drawing-in

"Sharpening" of the profile ends to a point facilitates the automatic insertion of the bars into the receiving cavities of the aluminium shells.



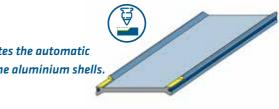
Dust blasting: optimum painted results

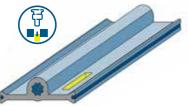
Dust blasting roughens the surface of the insulating bar. This increases the surface energy, improves the paint adhesion and thereby the painted result.

Recesses in accordance with the tolerances in DIN ISO 2768-1 m: precise, rapid, cost-effective

Before the bars leave the factory we punch any desired drainage, attachment or pressure equalisation openings. Application-specific boreholes or milling operations are also possible. This eliminates the need for subsequent punching by processing companies

The polyamide profiles can be conditioned in a water bath after manufacture. By this means, the moisture content of the insulating bars can be adjusted in order, for example, to facilitate subsequent machining. The moisture content is dependent on the geometry, water temperature and conditioning period.





Conditioning: moisture content as required

Ensinger – your expert partner

The cavity makes all the difference



Contact

Do you have questions about our insulating profiles, require detailed technical data or additional information regarding application engineering and possible uses? Or would you like to place a direct order and require a quotation? Talk to us!



Development and application engineering

Application engineering-related advice, from the choice of material and geometry through handling and processing to the application of insulbar insulating profiles is one of our core competencies.

We are at your side to give advice and will be pleased to help you further in every instance.



RPT Rapid Prototyping

Using rapid prototyping we develop and produce profile samples of your individual insulating bars, precisely in line with your specifications and wishes. We supply series-identical bars extruded from prototype tools reliably, on schedule and on fair terms.



Production and Logistics

Our efficient, highly flexible production at several locations ensures short delivery times and enables virtually unlimited delivery quantities. Our logistics processes ensure that your goods are delivered fast, reliably and on time.



Quality Management

Whether a standard or special solution - all insulbar bars fulfil stringent quality requirements which also comply with country-specific stipulations. Quality-relevant parameters are constantly monitored, continually checked, registered and the associated data archived for reasons of traceability.

The aluminium cavity is instrumental in determining the efficiency of the overall assembly.

The cavity of the aluminium profile forms the connection to the insulbar thermal insulating bar. Its correct configuration ensures a high shear strength, lateral stiffness and shear stiffness of the assembly.

recommends two different aluminium cavities

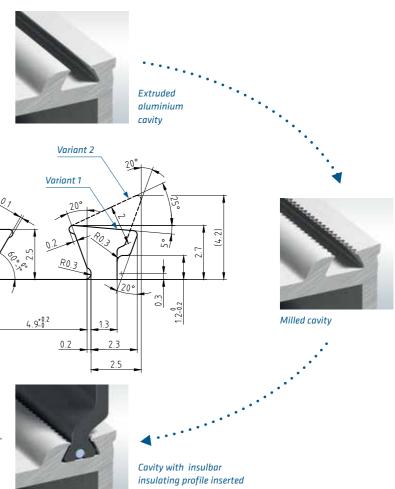
depending on the application. The most

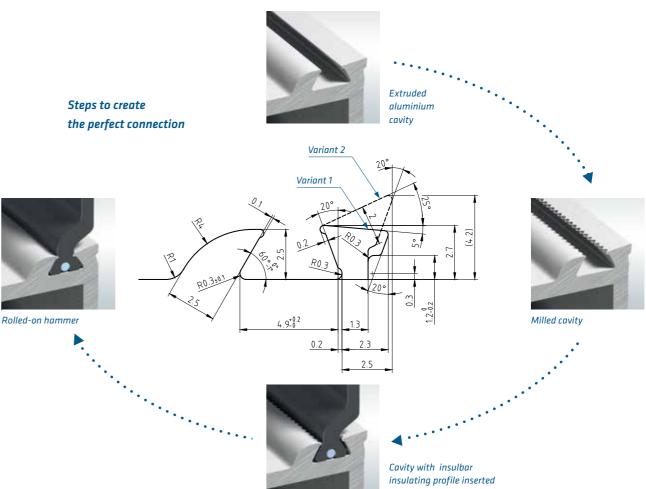
short hammer. In exceptional circumstances

with a long hammer.

For insulbar insulating profiles, Ensinger commonly used variant is the cavity with a







- for instance in the case of obstacles which make the hammer difficult to access for the roll-on wheel - Ensinger offers an alternative

Both variants are compatible for most standard profiles. A full overview is provided by the table on pages 40 - 47. We will be pleased to check your cavities for compatibility with insulbar insulating profiles.



Variant 1 – short ha



Variant 2 - long hammer

Roll-up profiles for windows, doors and façades

Our classic roll-up profiles enable the thermal break of all commonly used metal systems. Depending on the window type and area of application, all requirements for insulation are thus optimally fulfilled.



Functionality as standard, diversity as a matter of course

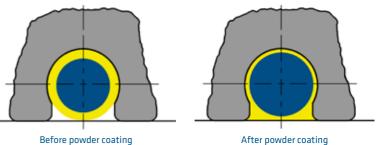
To meet the needs of the different window, door and façade systems, Ensinger offers insulating bars in all common profile shapes and/or geometries and for all common insulation depths (size of 10 to 54 mm). The insulating profiles are - appropriate to the particular requirements - equipped with special functional elements and can be supplied in different wall thicknesses and base geometries. Thus when designing the insulation zone the design engineer has a large number of options available to them for optimising thermal insulation and achieving a reliable moisture barrier, it also provides the desired U_f value.

You can find special profiles for particular applications from page 30 onwards.

insulbar with Low-E film an effective upgrade

assembly.

Coex wire a reliable moisture barrier



Specific, accompanying documents

Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

You can achieve a simple but effective system upgrade by using our highly reflective Low-E film 12 ε 3, which can be additionally applied to flags. This enables outstanding Uf values without the use of foams. insulbar with Low-E film is suitable for coating and anodising in the

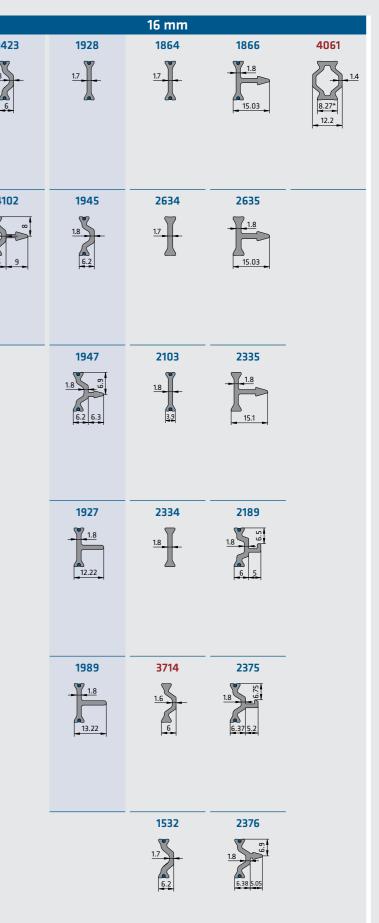
The coex wire integrated into the base serves to perfectly seal the assembly system. Alongside additional protection against shifting of the assembly. The polyamide core of the coex wire is coated with a hot-melt glue. This melts under the impact of temperature during coating and is activated by this.

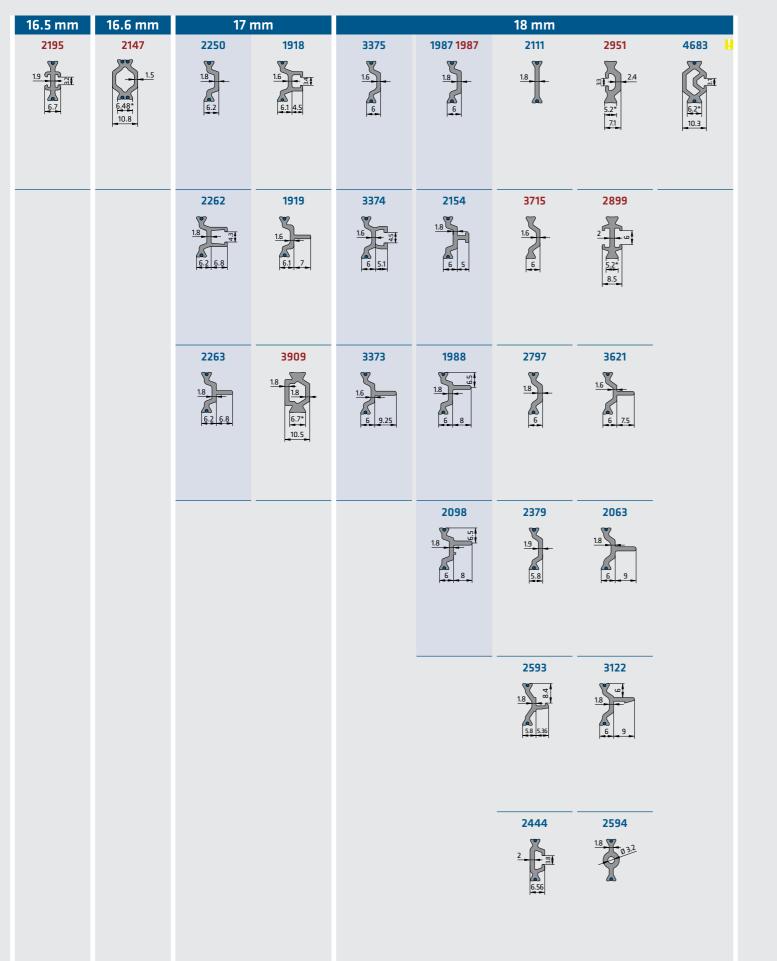
 \rightarrow Brochures: insulbar with Low-E film \rightarrow Data sheets: Coex sealing wire insulbar.com/en/downloads

10 mm	12 ו	mm	13.4 mm	13.5 mm	14 mm		14.6 mm		
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2530	4698	2310			4386 18 6.45	1910 17	2045	3378	1.9 1.9
		1142 19			3557 18 6.45	2046	1674		328 1.8
		2164 2164			2104	0818 19	1884 1.9 13.03		1.9 6
		2531 2531 3 6				1173 19	4060 18 0.35		1.9 1.9
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i

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<u>19</u>	<u>18</u>		<u>15</u> <u>6.2</u>	1.8
3286	2186 2186	3368	3985	
	<u>18</u>	12.35		
3745	0508	0785		
<u>19</u> <u>6</u> 5	<u>19</u>	1.9		
2167	3633	1135		
	1.8			
	3388	1090		
	<u>18</u> <u>6</u>	14.98		

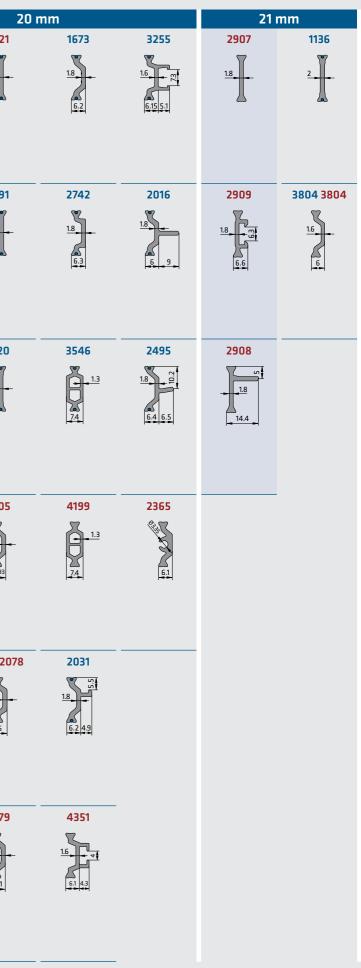




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	18.6 mm			
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0000 Article number 0000 Article production outside EU System groups 📙 New *Special foot width. Individual aluminium cavity design available on request.



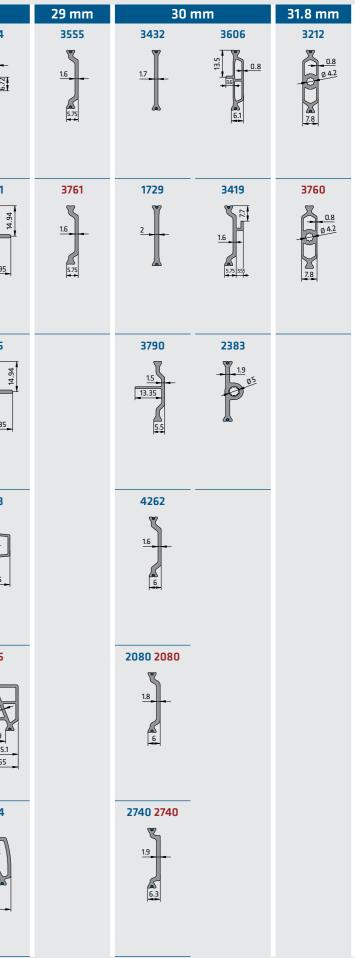
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0749 2 6		3716				3387	4544	4063		2279 19 6.1 5.85	1921	3020 2 14.3 6.2	3371 18	3380 4.7 2 2 2
0750 2 5.8 8.5		4263	-				3893	4101	-	2432	2268	3622 2 52 45	0839 2	3257
		2285 2 6	_				4388	3024			1920	3283 2 5.2 5	1175 2	2730
			-					3285	-		2267	3021	2633	2780 2780
		3918						3022					3284 4.5 2	2424



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2395	4216		2155 18 5 5	2106 4.5 2 2		4492 18	3433 18 0 1375	3080		3798 16 12.75 6	4200 2 5	2198	2501 2 5.2 11.95
2316				2817 2817	4272	1186 22		3079		3842	3109 19 6 4.7	1669 2 5.2	2515
2366 (***********************************				2311		2535 2535				3843	3110 14 81 13.83	3724 2 5.2	3413
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												2796	3244

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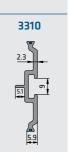


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3723 2 5.8	0774 24	1.9 5.7	3025 2 575 57	2807 2807	2805 895 16 575355	3282		3124 19 6 4.7	3935 1.8 5.75	3379 15 52 475	3351 1.6 15.35 6.2		3280	4318	3813	
	2523 2 51	2923 1.9 5.75	2361	 3316 19.4 1.5 5.75	3315 1435 15 15 555 335	3172 3172 855 12 13.8		3125	3012 2 <u>5.1</u>		3352	3279 <u>1.6</u> 23.7 <u>5.1</u>	3146	4319	1958	
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		3057 195 555 555	3444	4327	3620				3660 16 1.39 575	4275 2 0 375	3350 1.5 1.4 1.4 1.4 1.4 1.4 1.4 1.4 9	3010 2 5.1				

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	11		12 21		4 6			6
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		9.8						
5.75	5.75	5.75 3.6	13.88	6.2				
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11	F - − 1	1				16.19	6.18	585 4.8
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	5.75	13.8						

49 mm 50 mm 52 mm 46 mm 45 mm 4680 3641 2969 3311 4461 7 1.9 2 1.9 2 5.75 5.85 5.9 7 4682 3068 4062 7 2 5.85



5.75

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20 mm	24 mm	26 mm	28 mm	30 mm	32	mm	34 r	nm
4245	4543	4616			4467	4620 1.6	3829	
	4544	4542 1.8 5.8	4296		4468		3377	
	3893		4298		4469 56 16 56 85		2807 8.95 1.6 5.75 5.75	4720 4720 4 14 14 18.59
	4388							
							3172 8-95 12 13.8	
							3282	

37 mm	39 n	nm	40 mm	44 mm
4325	3827	3398	4518	4622
1.8 5.9	1.8 5.75	9.8 1.2 13.88	18	1.9
	3399 9.8 1.8 5.75			
	4701 H			
	3984			
	3400			
	4623			

insulbar LI | insulbar RE-LI

m

Special profiles for doors

The ideal solution for doors with thermal breaks: shear-free profiles from insulbar minimise the impact of the bi-temperature effect. In this way the door stays in perfect shape even in the case of extreme differences between the external and internal temperature.



How the door stays in shape

The shear-free insulating bar consists of two intermeshing parts. With temperature-related, differing linear expansion of the inner and outer shells, the two parts shift against one another. A moveable, corrective insulating zone is generated which minimises the bi-temperature effect and reduces deformation of the door effectively. Thanks to this solution, top climate categories can be achieved for aluminium doors.

Easy to process

A rivet at the end of the profile rod prevents slippage of the two parts of the bar during processing. By this means, the anti-bi-metal profile can be easily drawn into the aluminium cavity like a conventional insulating bar, and coated in the assembly. To ensure the assembly is perfectly balanced, Ensinger recommends that insulbar shear-free be incorporated with the profiles as mirror images.

To ensure that drawing-in as mirror images is straightforward, we supply the shear-free bars appropriately aligned: half of the goods are ready-turned in the stillage. Two rivets of different colours ensure clear marking of the direction of rotation of the plastic profiles

Advantages

- \rightarrow Can be rolled up and laminated like a conventional insulating profile
- \rightarrow Ensures high transverse tensile strength Q thanks to optimised geometry
- \rightarrow Minimises shear stiffness c and ensures low shear strength T
- \rightarrow Reduces the bi-temperature effect more significantly compared with shear-weak and shear-resistant profiles

Specific, accompanying documents

- \rightarrow Brochures: Shear-free insulating profile from insulbar
- insulbar.com/en/downloads

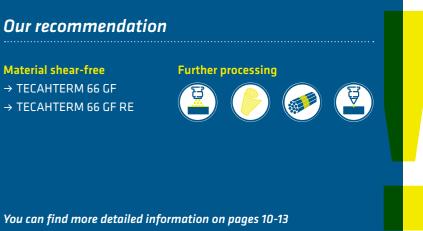
Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

Shear-free profiles

18 mm	20 mm	22 mm	24 mm	26 mm	28 mm	30 mm	32 mm	34 mm
3989	3963 3963	3995	3998	4004	4007	3884	4010	4013
Level 2	5	12.20 E	6.15 6.15	2 J	P. P. J.		15 N N N	615
36 mm	42 mm	46 mm						
4362	4019	4607						
R & W 55	6 x x x 6							
				l shear-free bars are a logy, in the insulation				

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0000 Article number 0000 Article production outside EU



System groups 🧧 New * Special foot width. Individual aluminium cavity design available on request.

Special profiles for hidden sash

Hidden sash windows have particular appeal thanks to their elegant design with a particularly slim frame. The window sash is completely hidden and does not have any outer shell. The glazing is held directly on the insulating bar by the glazing bead.



insulbar profiles for hidden sash

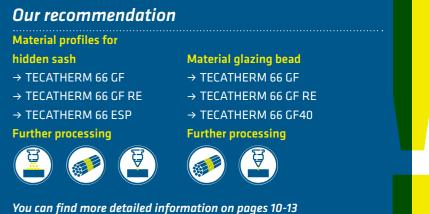
Enables high design and insulation standards

Hidden sash windows combine an elegant, light appearance with slim visible widths and very good $U_{\scriptscriptstyle\rm W}$ values. The insulbar profiles, specially developed for these systems, either have a wide roll-in base or two bases which are connected to the inner shell of the sash. Narrow tolerances enable the profiles to be easily inserted into the aluminium cavity.

For an optimum painted result: insulbar ESP

With assemblies that are difficult to coat, for example the hidden sash, insulbar ESP is the ideal solution.

The insulating profile made from electrostatically modified material ensures improved attraction of paint particles during powder coating of the assembly. Combined with a dust-blasted surface of the plastic bar, the particles thereby adhere significantly better to the material. The result is a perfect painted finish.



Glazing bead from insulbar

An alternative to aluminium

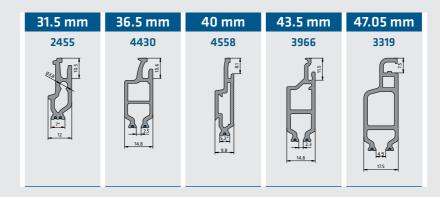
For further improvement of the U_w value, glazing beads made from aluminium can be replaced with bars made from glass fibre reinforced polyamide. To meet high demands regarding mechanical stability, the bead supplied can be made from the material TECATHERM 66 GF40 with a particularly high glass fibre content.

Specific, accompanying documents

- \rightarrow Brochures: insulbar ESP

Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

Profiles for hidden sash



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→ Data sheets: TECATHERM 66 ESP insulbar.com/en/downloads

Glazing bead



Special profiles - bolt operating profile

insulbar bolt operating profiles are the perfect alternative to metal push rods: the plastic profile prevents the rattling in the window commonly encountered with aluminium rods. A sophisticated packaging and spool concept ensures ease of handling and cost-effective processing.

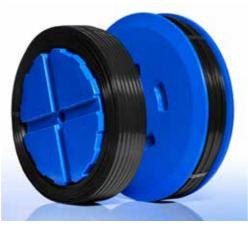


profiles



All nicely wound

All bolt operating profiles are available as rolled goods, referred to as coils. You therefore have less waste from unnecessary cutting compared with cut lengths. Reusable spools from Ensinger fix the wound profile and dispense with the need for disposable spools.

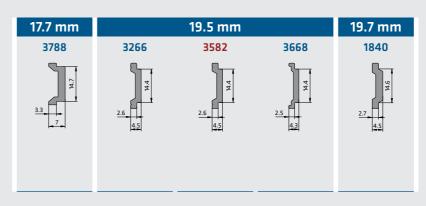


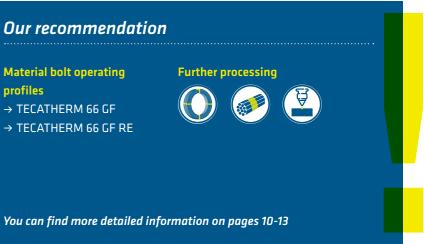
With two different types of spools (left: single spool, right: double spool) the coils fit onto all commonly available unwinding facilities.

Easy handling, guaranteed quality

The coil can simply be positioned on the spool and fixed in the unwinding machine. Thanks to the optional orderly winding and stable fixing, the bolt operating profile runs into the blank in a straight line, stress-relieved and without tilting. Precise, accurately positioned punching operations are the result.

Bolt operating profiles





Specific, accompanying documents

→ Brochures: insulbar bolt operating profiles insulbar.com/en/downloads

Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

Special profiles for sliding systems

Thermally broken sliding systems enable contemporary and open room concepts and create a pleasant indoor climate at all times. At the same time they must meet tough functional and thermal requirements. Special insulating profiles from Ensinger help with this.



Runner profiles for maximum functionality

Runner profiles from the material TECATHERM 66 GF have a very smooth surface with very narrow tolerances. They thereby guarantee movement that is as frictionfree as possible.

With large elements, runner profiles made from TECATHERM 66 GF40 with an increased glass fibre component are suitable, as is Article 3129, where additionally a metal rail is inserted.

Chicane for the middle section

Chicanes are in the visible area, therefore appearance plays an important part. Like all insulbar bars, our chicanes have a deep black, shiny surface. Lots of customised chicanes are coated in the assembly. Here, Ensinger recommends these dust-blasted from electrostatically modified TECATHERM 66 ESP. Attraction and adhesion of the powder particles is thereby improved significantly and ensure an optimum painted result.

Material chicanes → TECATHERM 66 GF → TECATHERM 66 GF RE Material runner railes → TECATHERM 66 GF → TECATHERM 66 GF RE → TECATHERM 66 GF40

Specific, accompanying documents

Special profiles for sliding systems

or bolt operating profile.

Chicanes

3298

3342

By way of an addition, our programme for

sliding systems also encompasses special

profiles e.g. for incorporating the roller cage

 \rightarrow Data sheets: TECATHERM 66 ESP, TECATHERM 66 GF40 insulbar.com/en/downloads

Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

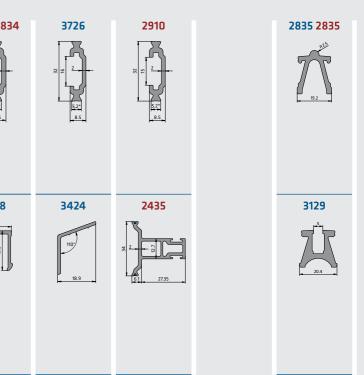
Supplementary profiles 2834 2834 3077 3493 3726 3494 3008 3424 19.5

Our recommendation

Material supplementary profiles → TECATHERM 66 GF → TECATHERM 66 GF RE → TECATHERM 66 GF40 **Further processing**



You can find more detailed information on pages 10-13



System groups 📙 New * Special foot width. Individual aluminium cavity design available on request.

Runner rails

Special profiles for façades

Spacers and roll-in profiles made from polyamide are the perfect complement to thermally broken façade systems – above all when it comes to green construction. Because all profiles are also available made from 100 % recycled polyamide.



Spacers for curtain walls

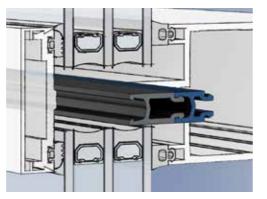
Owing to the improved thermal dimensional stability and the increased requirements in relation to fire safety, spacers made from glass fibre reinforced polyamide are increasingly being incorporated into the mullion and transom façade. For optimised thermal insulation, PE foams can additionally be glued to the side of these.

Roll-up profiles for element façades

In order to thermally separate the aluminium shells of element façades, conventional roll-up bars made from PA 66 GF are used. They reduce heat losses and enable large areas of glass with low U values. All of our materials recommended for the façade fulfil the requirements relating to suitability for thermal separation in line with DIN EN 14024.

You can find more on insulbar roll-up profiles on pages 16 and 17.

Through a combination of two spacers, the insulation depth of the façade can be adapted to fit the particular filling thickness



Green construction building certification made easy

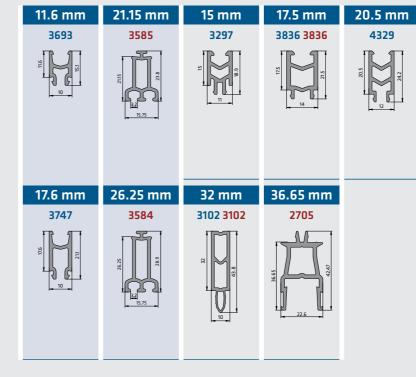
Particularly in project business and in construction projects with building certification, green construction in line with DGNB, LEED or BREEAM plays a key role. For this reason, like with all other insulbar[®] bars, façade profiles from unmixed recycled polyamide with a significantly reduced CO₂ footprint are also available.

Customised solutions such as glass edge profiles, contact pressure rails or special spacers are available on request.

Specific, accompanying documents

 \rightarrow Brochures: insulbar RE insulbar.com/en/downloads Not found anything suitable here? If you have any further questions, get in touch with us, we will be pleased to advise you.

Spacers



Our recommendation

Material spacers → TECATHERM 66 GF → TECATHERM 66 GF RE Material pressure plate → TECATHERM 66 GF → TECATHERM 66 GF RE → TECATHERM 66 GF40

Material glass edge profiles → TECATHERM 66 GF → TECATHERM 66 GF RE **Further processing**



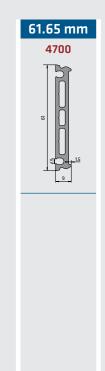
You can find more detailed information on pages 10-13



Glass edge profiles



Pressure plate



0000 Article number 0000 Article production outside EU 🦳 System groups 📙 New *Special foot width. Individual aluminium cavity design available on request.

Article number	Insulating depth (mm)	Description of the geometry	Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils *
0292	23.9	straight	2400			(0
0346	18.6	straight with nose	2300			•••
)508	14.8	straight	4800			0
)724	31.9	offset	1600			
0725	31.9	offset with groove	1500			
0726	31.9	offset with nose	1000			
0748	21.9	offset	2500			0
0749	21.9	straight with groove	2400			
0750	21.9	offset with nose	1300			
0758	31.9	offset with nose	1100			
0773	31.9	straight with nose	1000			
0774	31.9	straight	2000		-	0
0785	14.8	straight with nose	3000		-	
0818	14.6		4500	-	-	0
0838	14.0	straight	3000	-	-	0
	••••	straight	•••••	-	-	0
0839	24	straight	3100			
1044	14	straight	4800			0
1058	25	straight	2400	•		0
1090	14.8	straight with nose	3000			
1135	14.8	straight with nose	3000			
1136	21	straight	2700			0
1142	12	straight	5200			0
1173	14.6	straight	4800			0
1174	18.6	straight	3000			0
1175	24	straight	3600			0
1186	26	straight	2200			0
1220	20	straight	2900			0
1392	24	offset with nose	1150			
1393	24	offset	2300			0
1418	18.6	straight with nose	1700			
1498	24	straight with arrow	1300			
1532	16	offset	3200			0
1619	24	offset	2300			@
1650	34	offset	1700			
1651	31.9	offset	1500	-		•••
1669	28	offset	1900	-	-	
	20	offset	2600	-	-	6
1673	••••		••••••	-		0
1674	14.6	straight with nose	3000		•	6
1707	24	straight with noses	2400			0
1729	30	straight	2500			0
1750	24	straight with nose	1300	•		
1754	15	straight	4200		•	0
1814	36	straight	2200			0
1840	19.7	bolt operating profile	2500			0
1861	34	3 hollow chambers	1300	=		
1864	16	straight	4000			0
1866	16	straight with arrow	2300			
1884	14.6	straight with nose	3000			
1885	34	straight	2000			0
1910	14.6	straight	4500			0
1918	17	offset with groove	1800			
1919	17	offset with nose	1800	-		

Article number	Insulating depth (mm)	Description of the geometry	Piec
1920	24	straight with groove and nose	1500
1921	24	straight with groove and "T"	1500
1922	24	straight with groove	2200
1926	18.6	straight	3000
1927	16	straight with nose	2900
1928	16	straight	4000
1945	16	offset	3200
1946	14.8	offset	3500
1947	16	offset with arrow	2800
1953	14.6	hollow chamber with wide feet	2200
1958	36	offset	1500
1986	35	offset with flag	1500
1987	18	offset	355(
1988	18	offset with nose	1900
1989	16		2900
	•••••	straight with nose	•••••
1991	18.6	straight	3000
1993	26	straight with screw channel	1500
2006	26	straight	2200
2007	28	straight	2600
2014	13.4	offset	3800
2016	20	offset with nose	1500
2028	14.6	offset	3650
2031	20	offset with hook	1600
2045	14.6	straight with nose	3000
2046	14.6	straight	4500
2049	22	straight	2600
2050	25	offset	2200
2051	25	offset with nose	1400
2062	22	straight with nose	2400
2063	18	offset with nose	1950
2078	20	offset	260
2080	30	offset	2000
2098	18	offset with nose	1800
2102	14.8	straight	4800
2103	16	straight	4000
2104	14	hollow chamber	2200
2106	25	straight with noses	2100
2111	18	straight	355(
2126	18.6	offset	2800
2134	14.8	offset with groove	
2147			1800
2154	18	offset with "T"	1900
2155	25	offset with "T"	1900
	····		·····
		offset	3500
2164	12	hollow chamber	3200
2165		offset with hook	1300
2167	14.8	offset with nose	2100
2186	14.8	straight	4800
2189	16	offset with hook	2100
2191	24	offset with groove	1300
2192	12	straight	5200
2195	16.5	straight with 2 grooves	3200

Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
			colls
1500	•	•	
1500			
2200			0
3000			0
2900			
4000			0
3200			0
3500	=	=	0
2800			
2200			
1500			
1500			
3550			0
1900			· · · · · · · · · · · · · · · · · · ·
2900			
3000	-	-	0
1500	•••••	-	
••••••	-	-	0
2200	-	-	••••••••••
2600			0
3800			۲
1500			
3650			0
1600			
3000			
4500			0
2600			0
2200			
1400			
2400			
1950			
2600			0
2000			
1800			
4800			0
4000			@
2200	-	-	
2200	-	-	0
•••••	-	-	@
3550		_	•••••••••
2800		•	0
2500			
1800			
1900			
1900			<u></u>
3500			0
3200			
1300			
2100			
4800			0
2100			••••
1300			
5200			0
3200			
	-	-	

Article number	Insulating depth (mm)	Description of the geometry	Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
2196	15	offset	3650			(0
2198	28	straight	2600			0
2199	24	offset	2500			0
2200	24	offset with hook	1500			
2202	22	offset	2500	-		0
202	22	offset with nose	1500	-		
	••••		····	-		
2204	22	offset with groove	1500			6
2206	24	offset	2500	•	•	0
2214	24	straight with arrow	1300	•	•	
2237	14.8	offset	3650			0
2246	32	offset	1600			
250	17	offset	2800			0
2262	17	offset with groove	1800	=		
2263	17	offset with nose	2800			
2267	24	straight with nose	1700			
2268	24	straight with "T"	1700			
2275	44	offset	1300			
2279	24	offset with arrow	1400	-		
2285	22	offset	2500	-	-	0
	••••		••••			
2305	18.6	straight with nose	2400			6
2310	12	straight	5200	•	•	0
2311	25	offset with hook	1600	•	•	
2316	24	straight with screw channel	2000			
2331	24	offset with nose	1550			
2334	16	straight	4500		•	0
2335	16	straight with arrow	2300			
2361	32	offset with groove	1300	=		
2365	20	offset with screw channel	2400			
2366	24	offset with screw channel	2400			
2375	16	offset with hook	2100			
2376	16	offset with arrow	2500	-	-	
	••••	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-	-	0
2379	18	offset	3550	•		(e
2380	22	offset with nose	1300	•	•	
383	30	straight with screw channel	1400			
2395	24	offset with nose	1250	=		
2396	24	offset with hook and groove	1500			
2423	16	offset	3200			0
424	24	offset	2500			0
425	24	offset with arrow	1250			
426	24	offset with groove	1300			
	35	offset	1700			
2429	39	offset with 3 hollow chambers and 2 flags	450			
2432	24	offset with nose	1600	-		
	••••		••••	-	-	
435	34	supplementary profile for sliding systems	430			Ø
2440	14.8	offset	3650	•	•	0
2444	18	straight with groove	3000			
455	31.5	profile for hidden sash	850			
.479	20	offset	2600			0
495	20	offset with nose	1800			
2501	28	offset with nose	1000	•	•	
2515	28	offset with nose	800			
	18.6	offset	2900			0

Article number	Insulating depth (mm)	Description of the geometry	Pie sti
2521	20	straight	30
2522	31.9	straight	20
2523	31.9	offset	15(
2530	10	offset	50
2531	12	offset	45
2535	26	offset	17
2593	18	offset with hook	19
2594	18	straight with screw channel	25
2605	20	offset	26
2614	28	offset with groove	20
2631	32	offset	16
2632	24	straight with arrow	13
2633	24	straight	31
2634	16	straight	40
2635	16	straight with arrow	23
2636	41	4 hollow chambers	10
2638	32	straight	20
2647	44	offset	13
2649	32	offset with hook and "T"	87
2655	42	offset	14
2656	42	offset with groove	14
2703	18.6		25
2705	36.65	straight with screw channel	40
		spacer for curtain walls	····
2727	32	offset with hollow chamber	82
2728	32	offset with "T"	11
2729	24	offset with nose	15
2730	24	offset	27
2740	30	offset	19
2742	20	offset	26
2764	32	straight with screw channel	13
2765	34	offset	17
2774	24	offset with nose	157
2780	24	offset	25
2793	18.6	straight with nose	17
2794	24	offset	23
2795	28	offset	20
2796	28	offset with hook and "T"	11
2797	18	offset	35
2805	34	offset with groove and 2 flags	11
2807	34	offset with 2 flags	15
2817	25	offset	22
2834	32	supplementary profile for sliding systems	12
2835		runner rail for sliding systems	80
2855	34	offset with 3 hollow chambers	60
2856	34	offset with 2 hollow chambers	75
2857	34	offset with hook and "T"	95
2877	14.6	straight	45(
2883	27	offset	23
2884	24	straight	31
2899	18	straight with 2 grooves	23
2902	24	straight with nose	13
	21		29

Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
3000		•	0
2000			0
1500			
5000			0
4500			0
1700			
1900			
	_	-	••••
2500	•		
2600			0
2000			
1600			
1300			
3100			0
4000	-	-	0
2300			
1000			
2000			0
1300	=	=	
870			
1450			••••
1450	-		
	••••••	_	••••
2500			
400			
820			
1160	=	=	
1560			
2760			
1920	-	_	
	_		
2600			0
1300			
1700			
1570			
2500			0
1700			
2300			0
2000			
	-	-	
1150			
3550			0
1140			
1520			
2200			0
1200			
800			
600			
750			
950			
4500			0
2300			
3100	-	-	0
	=	-	(e
2300			
1300			
			(@

Article number	Insulating depth (mm)	Description of the geometry	Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
2908	21	straight with nose	1300			
2909	21	straight with groove	2500			
2910	32	supplementary profile for sliding systems	1200			
2911	32	offset with 2 hooks	1000			
2923	32	offset	1600			
2951	18	offset with groove	3000	•		
2952	14.6	straight	4500			0
2969	49	offset	1150			
8008		supplementary profile for sliding systems	1900			•••
8010	35	offset	1400			
8012	34	offset	1500	-	-	
8020	24	•••••	1300	-	-	
1020	24	offset with flag offset with arrow and groove	1300	-		0
	••••					
3022	24	offset with nose	1600	-		0
3023	24	offset with groove	2500	-		(0 (0
3024	24	offset with groove	1320	-		(9)
3025	32	offset with hook	1400			
8057	32	offset with 2 flags	1400			
3062	20	offset	2600			0
3068	49	offset with groove	1150			
3077	••••	chicane for sliding systems	270			
3078	27	offset	2300	•		
3079	27	straight with nose	1400	•		
3080	27	offset with groove	1300			
3102	32	spacer for curtain walls	780			
3109	28	offset with "T"	1400			
3110	28	offset with 3 hollow chambers	1090			
3122	18	offset with nose	1950			
3123	34	offset	1760			
3124	34	offset with "T"	1260			
3125	34	offset with 4 hollow chambers	1060			
3129		runner rail holder for sliding systems	860			
3138	14.8	straight	4800	•		0
145	28	offset with 2 hollow chambers and 2 flags	650	•		
146	35	offset with 2 grooves and 2 flags	750			
148	24	straight with arrow	1300			
149	24	straight with groove	2150			
172	34	offset with 2 hollow chambers and 2 flags	540			
3199	20	offset with hook	1600			
3212	31.8	3 hollow chambers with screw channel	1470			
3229	35	offset	1400			
3244	28	offset with hollow chamber	300			
1255	20	offset with groove	1600			
3257	24	offset	2500			0
258	24	offset with arrow	1300	-	-	
266	19.5	bolt operating profile	3500		_	0
3272	42	offset	1400			
3272	42	offset with hook and "T"	800			
	•••••		••••••			
3274	42	offset with 3 hollow chambers	480	_		
277	54	6 hollow chambers with 2 grooves and noses	600			
278	54	offset with 5 hollow chambers and noses	550			

Article number	Insulating depth (mm)	Description of the geometry	Pie stil
3280	35	offset with groove and 2 flags	14(
3281	35	offset with 2 flags	100
3282	34	offset with 2 hollow chambers	820
3283	24	offset with double hook	13(
3284	24	straight with noses	24(
3285	24	offset with arrow	11(
3286	14.8	offset with hook	21(
3297	15	spacer for curtain walls	16(
3298	••••	chicane for sliding systems	360
3307	40	offset with 3 grooves	900
3310	50	offset with groove and flag	700
3311	50	offset	115
3315	34	offset with groove and 2 flags	84(
3316	34	offset with 2 flags	820
3319	47.05	profile for hidden sash	43(
3320		glazing bead	25(
3338	54	6 hollow chambers with noses and 5 flags	45(
3339	54	6 hollow chambers with noses	800
3341	23	offset with hook	15(
3342	23		360
	25	chicane for sliding systems	••••••
3350	35	offset with 2 hollow chambers and 2 flags	500
3351	35	offset with 3 flags	720
3352	35	offset with hook and groove	920
3353	40	straight	220
3354	40	offset	15(
3368	14.8	straight with nose	300
3369	18.6	straight	300
3370	18.6	straight with nose	220
3371	24	straight	310
3372	24	straight with nose	130
3373	18	offset with nose	190
3374	18	offset with groove	170
3375	18	offset	355
3377	34	offset with groove	11(
3378	14.6	hollow chamber with wide feet and nose	13(
3379	34	offset with 2 "T"	900
3380	24	straight with noses	24(
3386	24	2 hollow chambers	200
3387	24	offset with "T"	180
3388	14.8	offset	36
3389	18.6	offset	280
3390	24	offset	25(
3391	35	offset	17(
3392	35	offset with hook, groove and 3 flags	500
3398	39	offset with 3 hollow chambers and 2 flags	44(
3399	39	offset with 2 flags	95(
3400	39	offset with groove and 2 flags	75(
3413	28	offset with hollow chamber	115
3419	30	offset with hook	160
			100
		supplementary profile for sliding systems	250
3424	24	supplementary profile for sliding systems offset with arrow	250 125

Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
1400	suggestion short nammer		
1000			
820			
1300			
2400			0
1100			·····
2100			
1600	•		
360	••••••		
900			
700			
1150			
840			
820			
430			
2500			
450			
800			
1500	=		
360			
500			
720			
920			
2200			0
1500			
3000			
3000			0
2200			
3100	=		0
1300			
1900			
1700			
3550			0
1100			
1300			
900		•	
2400		•	
2000			
1800			6
3650			0
2800		•	0
2500			0
1700			
500			
440	_		
950			
750	-	_	
1150		-	
1600 2500		-	
•••••••••••••••••••••••••••••••••••••••			
2500	-		
2500			

Article number	Insulating depth (mm)	Description of the geometry	Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
3433	26	straight with screw channel	1700			
3444	32	offset with nose	840			•••
3448	24	offset	2650	=		0
3454	20	offset with nose	1500			
3493	•••••	chicane for sliding systems	900	•		
3494	•••••	chicane for sliding systems	320			
3546	20	2 hollow chambers	2200			
3555	29	offset	1950			
3557	14	offset	3500			0
3560	12	straight	5200			@
3582	19.5	bolt operating profile	4000			@
3584	26.25		840	•••••		
3585	21.15	spacer for curtain walls spacer for curtain walls	1000			
3591	20		2900			0
	••••	straight	••••	-	-	19
3606	30	2 hollow chambers with flag	1300	-		
3620	34	offset with 2 "T" and 2 flags	750	_		
3621	18	offset with nose	2000			
3622	24	offset with hook	1800			
3623	34	offset with 2 "T"	1200	•		6
3632	10	straight	6000			0
3633	14.8	offset	3500	•		0
3636	39	offset with groove and 2 flags	800			
3637	39	offset with 2 flags	650	•		
3638	39	offset with groove and 2 flags	550			
3639	39	offset with 3 hollow chambers and 2 flags	400			
3640	39	offset with 3 hollow chambers and 2 flags	440			
3641	46	offset	1200			
3655	34	offset with flag	800	•		
3660	34	offset with flag	1050	•		
3668	19.5	bolt operating profile	4200			(0
3693	11.6	spacer for curtain walls	2500			
3714	16	offset	4000			0
3715	18	offset	3500			0
3716	22	offset	2900			0
3723	31.9	offset	1900			•••
3724	28	offset	2000			
3725	14	hollow chamber	4000			
3726	32	supplementary profile for sliding systems	1300		_	
3745	14.8	offset with "T"	2300	-	-	
3746	34	offset with groove	1950	-	-	
3740	17.6		1800	-	-	
	•••••••••••••••••••••••••••••••••••••••	spacer for curtain walls	••••	_		
3760	31.8	3 hollow chambers with screw channel	2100	_		
3761	29	offset	2100	•		2
3778	17.7	bolt operating profile	2900			0
3784	18.6	offset with hook	1000		•	
3790	30	offset wih flag	800			
3798	28	offset wih flag	1100			
3804	21	offset	2800		=	0
3812	40	offset	1440			
3813	36	offset	1600			
3824	38	offset	1600			
3825	34	3 hollow chambers with groove	940	-	_	

Article number	Insulating depth (mm)	Description of the geometry	Pi st
3826	34	offset with 2 hollow chambers	84
3827	39	offset	10
3828	39	2 hollow chambers with groove	90
3829	34	offset	18
3836	17.5	spacer for curtain walls	11
3842	28	offset with groove and flag	11
3843	28	offset with hollow chamber and flag	72
3848	34	3 hollow chambers	13
3864	39	offset with 2 flags	95
3884	30	shear-free profile	17
3889	32	offset with flag	1(
3893	24	offset with hollow chamber	1(
3896	28	offset with flag	12
3909	17	hollow chamber with wide feet	18
3918	22	offset with nose	15
3920	28	offset with flag	12
3935	34	offset	18
3936	35	2 hollow chambers	85
3963	20		24
	•••••••••••••••••••••••••••••••••••••••	shear-free profile	•••••
3966	43.5	profile for hidden sash	6(
3984	39	offset with groove	1(
3985	15	offset with nose	25
3986	34	3 hollow chambers	12
3989 -	18	shear-free profile	2
3995	22	shear-free profile	23
3998	24	shear-free profile	21
4004	26	shear-free profile	19
4007	28	shear-free profile	18
4010	32	shear-free profile	1(
4013	34	shear-free profile	14
4019	42	shear-free profile	12
4022	42	offset with 3 hollow chambers	55
4059	14.6	hollow chamber with wide feet	25
4060	14.6	straight with screw channel	3(
4061		hollow chamber with wide feet	18
4062	50	offset	11
4063	24	offset with hook	1(
4075	38	offset	1(
4101	24	offset with hook	1(
4102	16	offset with arrow	2
4192	39	offset	
		2 hollow chambers	22
4200	20		20
	••••	offset	•••••
	42		14
	24.8	offset	22
	24.8	offset with nose	10
4216	24.8	offset with hook	19
4245	20	straight	29
4262	30	offset	20
4263	22	offset	25
4271	25.3	offset	22

Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer Coils **
840		
 1600		
900	=	
 1800	=	
 1150		
 1100		
 720		
 1300	=	
 950		
 1700		•
 1050		
 1050	•	
 1200	•	
 1800		_
 1500 1200	•	
 1800		•
 850	-	
 2400	-	-
 600		
 1000		
 2500		
 1200		
 2500		
 2300		
 2100		
 1950	=	
 1800		
 1600		
 1450	=	
 1200		
 550		
 2500		
 3000		•
 1800		
 1150		
 1600	•	
 1600 1600		
 2500		
 1600		
 2200	-	-
 2000	-	
 1450	-	-
 2200		
 1600	=	
 1900	=	
 2900		
 2000		
 2500		۲
 2200		
 1200	=	

Article number	Insulating depth (mm)	Description of the geometry	Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
4275	34	straight with screw channel	1400		=	
276	38	offset	1600			
277	38	straight	2200			۲
283	24	offset with hollow chamber	1050			
296	28	offset with 2 flags	1500			
298	28	offset with "T" and flag	1400			
317	25.3	offset with groove	1300			
318	35.3	3 hollow chambers with hook and "T"	940			
1319	35.3	offset with 3 hollow chambers	850			
320	35.3	3 hollow chambers	1500			
325	37	offset	1600	-		
	34	offset with groove and 2 flags	1140	-	_	
329	20.5	spacer for curtain walls	1350	-		
330	25	hollow chamber with wide feet and groove	1400			
331	29.7	· · · · · · · · · · · · · · · · · · ·	••••			
	••••	supplementary profile for curtain walls	2500	•		
1332	37.7	supplementary profile for curtain walls	1900			
1347	34	offset with groove	1200			
348	44	offset with 2 grooves	740			
1349	44	offset with 4 hollow chambers	550			
1351	20	offset with groove	1600			
1362	36	shear-free profile	1300			
1365	37	offset	1600			
1386	14	offset	3600			0
1388	24	offset with nose	1600	•	•	
1396	35	offset with 2 flags	1000	•		
1402	34	offset with 2 "T"	900			
1430	36.5	profile for hidden sash	700			
1461	52	straight	1700			
467	32	offset with 2 flags	1400			
468	32	offset with groove and 2 flags	1100			
1469	32	offset with hollow chamber and 2 flags	1000			
1492	26	straight	2800			0
493	26	offset	2500			
494	26	offset with nose	1450			
518	40	straight	2200			
542	26	offset	2500			
1543	24	offset	2500	-	-	0
1544	24	offset with hook	1600	-	-	
1557	24	offset with hook	1600	-	=	
	40	profile for hidden sash	850	=		
1558			••••			
1607	46	shear-free profile	1100	•		
616	26	straight	2800			
617	26	straight with screw channel	1700			
618	28	offset	2000	•	•	
619	30	straight	2500	•		
620	32	offset	1600			
621	34	offset	1800	=		
622	44	offset	1300		•	
623	39	offset with 3 hollow chambers	600			
680 🕌	45	4 hollow chambers	1100		•	
682 🦊	45	4 hollow chambers with 3 hooks and "T"	660			
4683	18	hollow chamber with wide feet and groove	1800	•		

eometry
chambers and 2 flags
7

Additional information

Accompanying product brochures, recommendations and datasheets are available on request or from the download area on our website at any time insulbar.com.

Information Ibar.com

Product brochures

- \rightarrow insulbar with Low-E film
- \rightarrow Shear-free insulating profile from insulbar
- \rightarrow insulbar ESP
- \rightarrow insulbar RE
- → insulbar LI
- → insulbar RE-LI

Recommendations

- \rightarrow Transport, storage, delivery form
- \rightarrow Coating of insulbar from polyamide GF
- \rightarrow Anodising of insulbar from polyamide GF
- \rightarrow Processing of shear-free profiles



* approximate values, which can deviate in individual cases ** Dimensions may differ; LI and RE-LI not available in coils

Pieces per stillage *	Foot compatible with aluminium cavity suggestion short hammer	Foot compatible with aluminium cavity suggestion long hammer	Coils **
3500		-	
500			
680			
650			
	•••••••••••••••••••••••••••••••••••••••	•••••••••••••••••••••••••••••••••••••••	•••••••••••••••••••••••••••••••••••••••

Datasheets

- \rightarrow insulbar REG made from TECATHERM 66 GF or 66 GF40
- \rightarrow insulbar RE made from TECATHERM 66 GF RE
- \rightarrow insulbar LI made from TECATHERM 66 GF
- → insulbar RE-LI made from TECATHERM 66 GF RE
- \rightarrow insulbar ESP made from TECATHERM 66 ESP
- \rightarrow Coex wire
- \rightarrow Low-E film 12 ε 3
- \rightarrow Cover film 8.4 T 200
- \rightarrow Cover film 5.5 T 200
- \rightarrow Surface protection film

We will be pleased to send you additional information such as test reports, certificates etc. on request.

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