

The image features a dark blue background with several black extruded insulation profiles arranged in a dynamic, overlapping pattern. The profiles have a multi-chambered cross-section. A bright cyan border frames the entire composition. In the top right corner, the word "TECHNOFORM" is written in a bold, cyan, sans-serif font.

TECHNOFORM

Standard profiles 2021

Insulation solutions for
windows, doors, and facades.



Standard profiles for windows, doors, and facades

Find your perfect match – our standard profile solutions

Our standard offering comprises more than 800 freely available geometries for varying markets and needs. High quality solutions can be created using the insulating profiles in the standard program. All serial products can be rapidly supplied in any length and quantity to any location in the world, thanks to our global network of 13 production sites and more than 45 sales offices. Our specialists will gladly assist you with your project from the planning and development stage up to the finished product.

Low Lambda Polyamide – thermal break has a new value

On the path towards an optimized U_f value, we have also developed a new standard: our Low Lambda Polyamide. With this innovation we can now offer you two possibilities to match your requirements. Choose between a reduced U_f value by maintaining the same frame size or a smaller frame while leaving the U_f value unchanged.

The material and information contained in this catalogue are for general information only. Technoform offers you advice concerning any doubts or queries before making commercial decisions based on the information in this catalogue. Technoform changes design and functionality of certain products through continuous innovations and improvements. Thus, Technoform reserves the right to change descriptions any time and discontinue or withdraw any particular product during the year of validity of this catalogue, without any prior notice. Technoform declines any responsibility for any possible inadvertently caused inaccuracies or omissions in this catalogue and the consequences that these may cause.

Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

9 mm	10 mm	12 mm	13 mm	14 mm
 254000	 204600 [#]	 977500	13.4 mm	 202300
	 244800	 926900 · 975300	 979200	 913700
	 269800 [#]	 209900	13.5 mm	 202400
		 328100	 249100	 217100
		 958241	 969505	 233200
		 282000		 948600
		 442500*		 493100 [#]
				 486900
				 948700
				 235300
				 240200 [#]

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14 mm					15 mm
14.6 mm	14.8 mm				 910300
 933900 · 951459	 280600	 295600#	 403400	 320100*	 952200#
 919200 · 951159	 931000 · 951659	 299000	 221400	 257100	 538500
 263400	 216800	 486100*	 237600	 270300	 260500
 259900#	 271800	 201000	 246700	 937700	 260400
 951559	 924300 · 945500 951259	 931100 · 951759	 300800	 488200	
 241600	 203900	 941600 · 951859	 271500	 977000	
 980600	 208500	 961459	 273500		
 268200	 952100 · 962059	 925500	 289700		
 355700*	 406100#	 975800	 961559		
 223900	 378600	 279000	 987400		
 313000*	 937600	 221900	 335600#		

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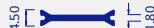
16 mm			17 mm	18 mm	
 962159 [#]	 976000	 445500	16.5 mm	 286600 [#]	 955100
 973500	 296500	 977900		 977400	17.4 mm
 232900 · 265800	 277600 ^{*#}	 940300	16.6 mm	 242700 [#]	 221200
 912000 · 955900 951359	 962259 [#]	 981700		 420800 ^{*#}	17.8 mm
 345800 [#]	 970559	 296600		 330400	 964000
 221000	 973600	 980900		 325300	 465400
 961859	 942100	 214400			 233800
 963900	 976100	 221100			 270200
 203200 [#]	 265900	 227500			 955000
 219900	 941800	 270100			 541400
 270000	 961959	 296900			 267100
 940800	 977600				 276900

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18 mm			19 mm	20 mm	
 224100	18.6 mm		 316700	 933200	 228900
 290600	 210900	 226300	 316900	 912500 · 957600	 499500#
 357400*	 273300	 276000	 316800	 277400	 387200*
 955200	 912100 · 912159	 250800		 957300	 234700
 277000	 944300	 979300		 246500	 269100*
 343900	 912800	 330500		 941700	 945800
 235400	 977700	 952459		 942600	 562100
 322100*	 279300*			 271000	 957400
 248300	 332700*			 296200	 937000
 955300	 360500*			 976600	 444500
	 276800			 249900	 228700
	 324600			 250100	 218500

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20 mm		21 mm	22 mm		23 mm
 964200	 250000	 357500*	 202200	 977200	 283000*#
 271100	 439500*#		 242900	 413800	 538800
 966500	20.6 mm  221500*#  221600*#		 908400	 254100	 320400
 306700		 269700	 286700		
 325500		 966605	 389600		
 283600		 978700	 245800		
 493600		 413700	 439100*		
 297800*		 228100			
 924900		 271300*			
 964100		 243000			
 271200		 431300			
 330700		 245900			

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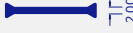
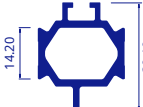
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24 mm

 961759 · 933100	 235100	 220300	 360900	 251800	 546100
 965159#	 268000	 246300*	 566000	 969759	 443700
 223700	 294100	 271400*	 322000	 246600	 256800
 919300 · 975900	 976700	 927200	 495000	 289800	 273400
 390900	 940400	 925200	 403500	 464600	 464700
 241700#	 969959	 975700	 231900	 479700	 516200
 956059	 479800	 404000*	 268100	 502900	 510600
 957500	 984300	 228200	 294200	 330600	 418200
 350300	 979500	 415100	 964300	 228800	 406200#
 355000	 459500	 956159	 400800	 300400	 399200
 360800	 975400	 291100	 979900	 561400	 231800
 954800	 987200	 253600	 224000	 359800	 358900

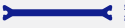
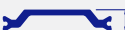
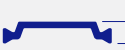
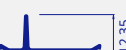
Standard profiles Polyamide

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24 mm		25 mm		26 mm	
 214000	24.8 mm	 910400	25.3 mm	 212600	 978900
 489900	 215600	 979400	 470200*	 254800	 426400
 969859	 246100	 950159	 329600*	 908500	 359600
 962659	 215700	 974500	 329700*	 260600	 394200
 214800	 265000	 249500	 329800*	 453100	 264100
 224600	 214300	 946700	25.5 mm	 304500	 300900
 439400#	 282100	 249600	 220400	 491200	 301000
 964559#	 246000	 974600		 289300#	
		 249700		 978800	
				 357700	
				 321100	
				 321800	

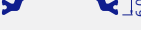
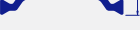
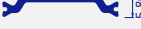
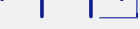
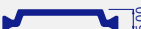
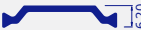
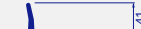
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27 mm	28 mm		29 mm	30 mm
 971605	 222500	 475500	 404600	 219500
 932000	 948400	 355400	 286900	 220800
 253800	 927700	 548200	 229100	 246200
 253900	 214700	 571000	 308600	 908600
27.5 mm	 223500	 321500	 261900	 273800
	 942700	 321300	 326800	 324100#
	 516900	 566100		 282300
	 368600	 450000		 947400
	 509900	 280800		 506200
	 450100	 319600		 247300
	 280900	 271600		 478600
	 354400*	 975100*		 486400

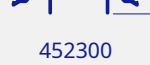
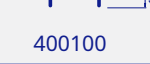
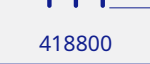
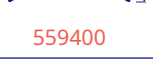
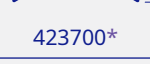
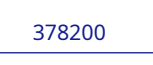
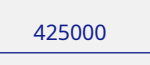
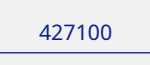
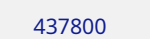
Standard profiles Polyamide

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30 mm		31 mm	32 mm		34 mm
 516600	 352400	 268300	 239300	 418400	 464800
 225500	 368700		 354700	 256000	 268400
 493800	 414300		 303700	 256300	 478700
 393000	 349400		 371800	 563100	 935100
 414400	 277100*#		 256100	 412200	 949200
 241200			 494500	 218100	 986200
 493700			 939700	 216100	 438400
 974700			 259800	 492100	 265400
 312000			 448300	 273900	 384200
 282400			 247700*#	 488300	 218600
 247500			 256200		 269200
 247400			 496000		 425100

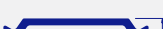
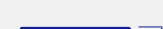
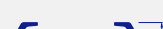
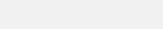
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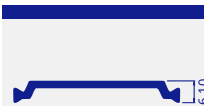
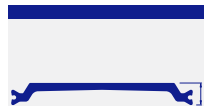
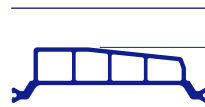
34 mm			35 mm		36 mm
 429100	 429300	 558600	 432000	 418900	 201300
 430400	 437900	 218400	 337700	 423500*	 983400
 321700	 422900	 258800	 418600	 382100	 557600
 426300	 423300	 543300	 533200	 418500	 392400
 986300	 386800	 274000	 522100	35.3 mm	 478100
 265600	 443900	34.8 mm			
 532600	 260900	 300700	 215500	 485500*	
 357000	 240800	 300600	 358700	 477400*	
 377100	 400100		 452300	 477500*	
 559400	 265500		 418800		
 378200	 425000		 423700*		
 548300	 437800		 427100		
			 418700		

Standard profiles Polyamide

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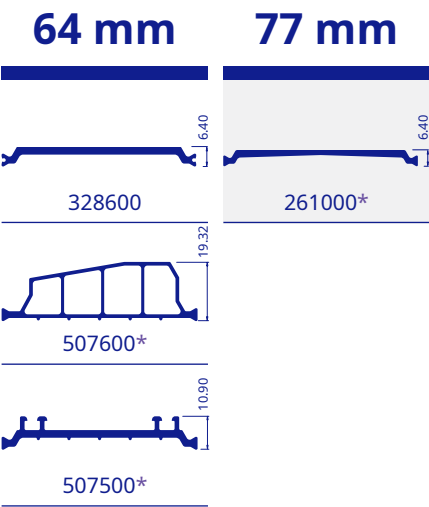
37 mm	38 mm	39 mm	40 mm	42 mm	44 mm
 394600*	 327800	 357900	 357800	 286300	 502100
 425200	 219300	 340000	 444200	 334800	 352100
 515000	 363700	 340300	 287800		 501000
 394400*		 340200	 412000		
 394500*		 546200	 521000		
		 452100	 441900		
		 340100			
		 368500			

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45 mm	46 mm	48 mm	50 mm	54 mm	60 mm
 466500	 200100	 365800	 419400	 419500	 463500*
		 457000		 539600	
				 462800	
				 419600	
				 492200	

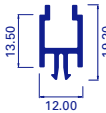
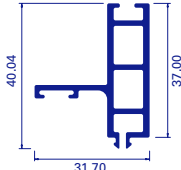
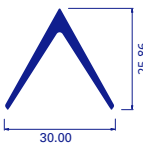
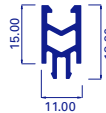
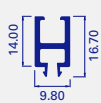
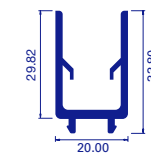
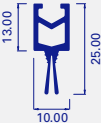
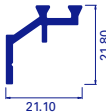
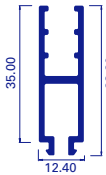
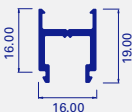
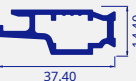
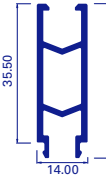
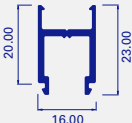
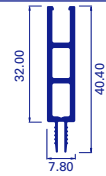
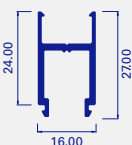
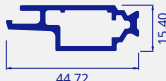
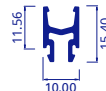
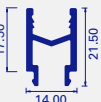
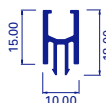
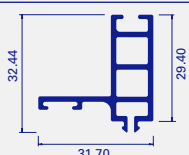
Standard profiles Polyamide

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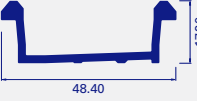
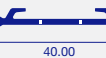
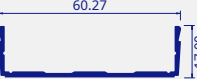
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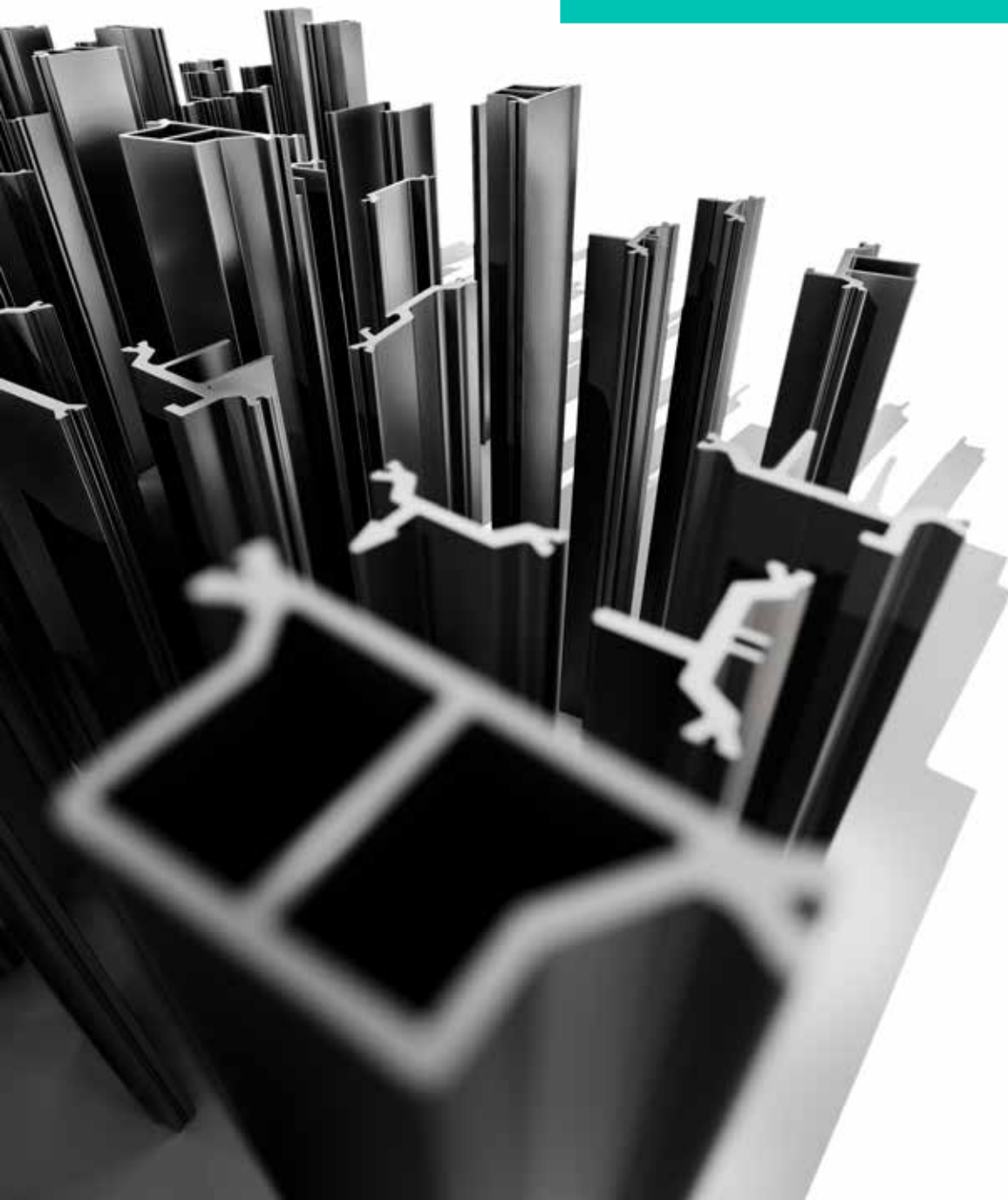
Curtain wall spacers			Operating Rods	Specials	Hidden Sash
 217300	 309900	 399000	 224400	 200600	 346000
 218200	 310000	 337500	 222400	 212100	 375400
 242300*	 341700	 337400	 218000	 254400	 464900
 212500	 959000		 289400*	 492000	 506400
 242400	 959100		 254700	 432100*	 550600
 423200	 959200*		 224500	 491700*	 513400
 248800*	 472500*			 449500*	
 280100	 398900				

Standard profiles Polyamide

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Anti-bi-metal			Profiles for sliding doors		
 458800	 339000	 200500	 389900	 245000	 384300
 317000	 464400	 979600	 371900	 255300	Profiles for minimal sliding doors
 370000	 429900	 244900	 977100	 282200	
 317100	 520900	 343200	 933000	 263000	 440100
 339900	 521000	 385200	 385100	 419000#	 440300
 316200		 403600	 306300	 495600	 440400
 387500		 415500	 229000	 306200#	
 418100		 311300	 437700	 354300	

Standard profiles Low Lambda

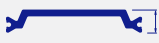
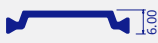


Standard profiles Low Lambda Polyamide

Our profiles are done in Low Lambda PA 66 GF25, dry impact resistant.

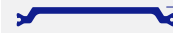
20 mm	22 mm	24 mm	26 mm	28 mm	29 mm
 824300	 817700	 804100	 824200	 809700	 815200
 830600	 818000	 828300		 806100	 824100
 829300		 829400		 803300	 824000
		 813900		 805900	
		 828200		 809600	
		 804200		 803200	
		 811000			
		 829200			

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30 mm	32 mm	34 mm	36 mm	37 mm	38 mm
 800200	 823600	 821100	 809900	 813700	 808000
 809800	 803000	 807600			
	 803100	 802200			
	 806300	 800900			
		 811800			
		 823800			
		 831400			
		 802800			
		 813300			
		 811500			
		 813200			
		 821000			

Standard profiles Low Lambda Polyamide

Our profiles are done in Low Lambda PA 66 GF25, dry impact resistant.

39 mm	40 mm	42 mm	44 mm	45 mm	50 mm
 810800	 806400	 806800	 810700	 808100	 812800
 827300					
 801600					
 827200					
 805100					
 801500					
 821300					
 827100					
 823400					
 801400					
 805000					
 800800					

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54 mm Anti-bi-metal	
 812600	 810000
 812500	 824600

Material data sheet

Insulating strips of **Low Lambda PA 66 GF25**, dry impact resistant

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.0 +/- 0.1	1.0 +/- 0.1
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
shore hardness D	EN ISO 868	-	77 +/- 4 ⁽⁴⁾	67 +/- 4 ⁽⁴⁾
impact strength	EN ISO 179-1	kJ/m ²	min. 20 ⁽⁵⁾	min. 30 ⁽⁵⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 50 ⁽⁶⁾	min. 35 ⁽⁶⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 2900 ⁽⁶⁾	min. 1300 ⁽⁶⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁶⁾	min. 8 ⁽⁶⁾

¹⁾ Sample water content less than 0.2 % by weight
²⁾ Fast conditioning acc. to EN ISO 1110 (23 °C / 50 %)
³⁾ Maximum temperature 300 °C
⁴⁾ Specimen thickness 2 mm, unstacked
⁵⁾ Specimen 2fU (50 mm x 10 mm x 2 mm)
⁶⁾ Specimen Type 1BA

In case of specific questions we gladly offer you our individual support.

Material data sheet

Insulating strips of **PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips		Injection-moulded samples
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾	Dry ⁽¹⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.3 +/- 0.05	1.3 +/- 0.05	1.3 +/- 0.05
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5	25 +/- 2.5
shore hardness D	EN ISO 868	-	82 +/- 4 ⁽⁴⁾	78 +/- 4 ⁽⁴⁾	84 +/- 2
impact strength	EN ISO 179-1	kJ/m ²	min. 30 or without break ⁽⁵⁾	min. 40 or without break ⁽⁵⁾	min. 35 ⁽⁶⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 80 ⁽⁷⁾	min. 50 ⁽⁷⁾	min. 110 ⁽⁸⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 4500 ⁽⁷⁾	min. 2000 ⁽⁷⁾	min. 6000 ⁽⁸⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁷⁾	min. 7 ⁽⁷⁾	min. 3 ⁽⁸⁾

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110 (23 °C / 50 %)
3) Maximum temperature 300 °C
4) Specimen thickness 2 mm, unstacked
5) Specimen 2fU (50 mm x 10 mm x 2 mm)
6) Specimen 1fU (80 mm x 10 mm x 4 mm)
7) Specimen Type 1BA
8) Specimen Type 1A

In case of specific questions we gladly offer you our individual support.

Cooperation partners

Europe

- Federation of European Window and Curtain Wall Manufacturers' Associations

France

- CSTB · Centre Scientifique et Technique du Bâtiment
- SNFA · Syndicat National de la Construction des Fenêtres, Façades et Activités Associées

Germany

- IFT-Rosenheim · Institut für Fenstertechnik e. V.
- FIW-München · Forschungsinstitut für Wärmeschutz e. V.
- IFZ · Informationszentrum Fenster Türen Fassaden e. V.
- VFF · Verband der Fenster- und Fassadenhersteller
- Bundesdeutscher Arbeitskreis für Umweltbewusstes Management (B.A.U.M.) e. V.
- A/U/F Aluminium und Umwelt im Fenster- und Fassadenbau
- EPEA Internationale Umweltforschung GmbH
- Deutsche Gesellschaft für Nachhaltiges Bauen

Great Britain

- CAB · Council for Aluminium in Building
- BFRC · British Fenestration Rating Council

Italy

- UNICMI · Unione nazionale delle Industrie delle Costruzioni Metalliche dell'Involucro e dei serramenti
- AITAL / QUALITAL · Associazione Italiana Trattamenti superficiali Alluminio / Organismo di Certificazione

Portugal

- ANFAJE · Associação Nacional dos Fabricantes de Janelas Eficientes
- APAL · Associação Portuguesa Do Alumínio

Spain

- AEA · Asociación Española del Aluminio y Tratamientos de Superficie

- ASEFAVE · Asociación Española de Fabricantes de Fachadas Ligeras y Ventanas
- Tecnalia Research & Innovation
- ENSATEC · Laboratorio de Ensayos Tecnológicos

The Americas

North America

- FGIA · Fenestration and Glazing Industry Alliance
- AEC · Aluminum Extruders Council
- GANA · Glass Association of North America
- NFRC · National Fenestration Rating Council

South America

- CAIAMA · Cámara Argentina de la Industria del Aluminio y Metales Afines.
- Brasil AFEAL · Associação Nacional de Fabricantes de Esquadrias de Alumínio.
- AMEVEC · Asociación Mexicana de Ventanas y Cerramientos

Asia

China

- CAIGA · China Architectural and Industrial Glass Assn.
- CCMSA · China Construction Metal Structure Assn.
- Hong Kong Facade Association
- National Committee of Standardization for Non-ferrous Metals

Korea

- KAFA · Korea Architectural Facade Association

Singapore

- SGBC · Singapore Green Building Council
- BCA · Building and Construction Authority of Singapore
- ESI · Energy Studies Institute – National University of Singapore

Australasia

Australia & New Zealand

- Window Association of New Zealand
- Australian Window Association
- AGGA · Australian Glass and Glazing Association

Certifications



Europe

TÜV Certification

according to ISO 9001:2015
Cradle to Cradle Certified™
Gold level Material Health Certificate

Germany

TÜV Certification

according to
ISO 14001:2015
ISO 50001:2011
ISO 45001:2018

Belgium

ATG Certification

North America

TÜV Certification

according to ISO 9001:2015

Russia

GOST Certification

Cradle to Cradle Certified™
Gold level Material Health Certificate

China

TÜV Certification

according to
ISO 14001:2015
ISO 9001:2015
ISO 45001:2018

Hong Kong

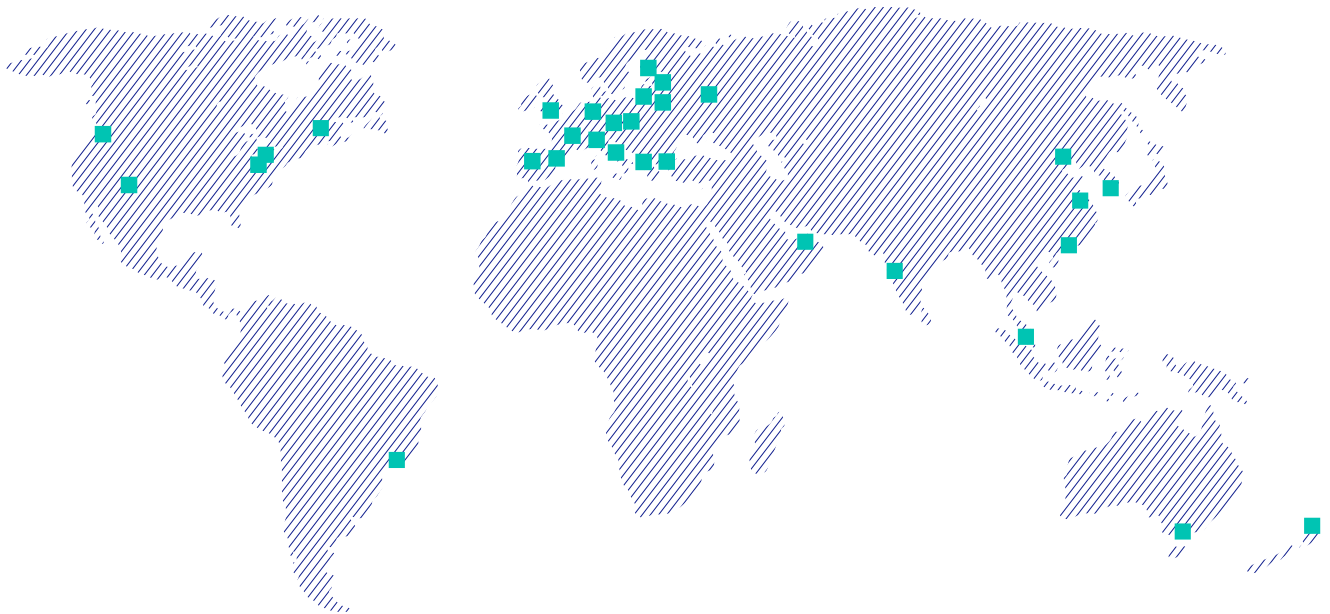
TÜV Certification

according to
ISO 14001:2015
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