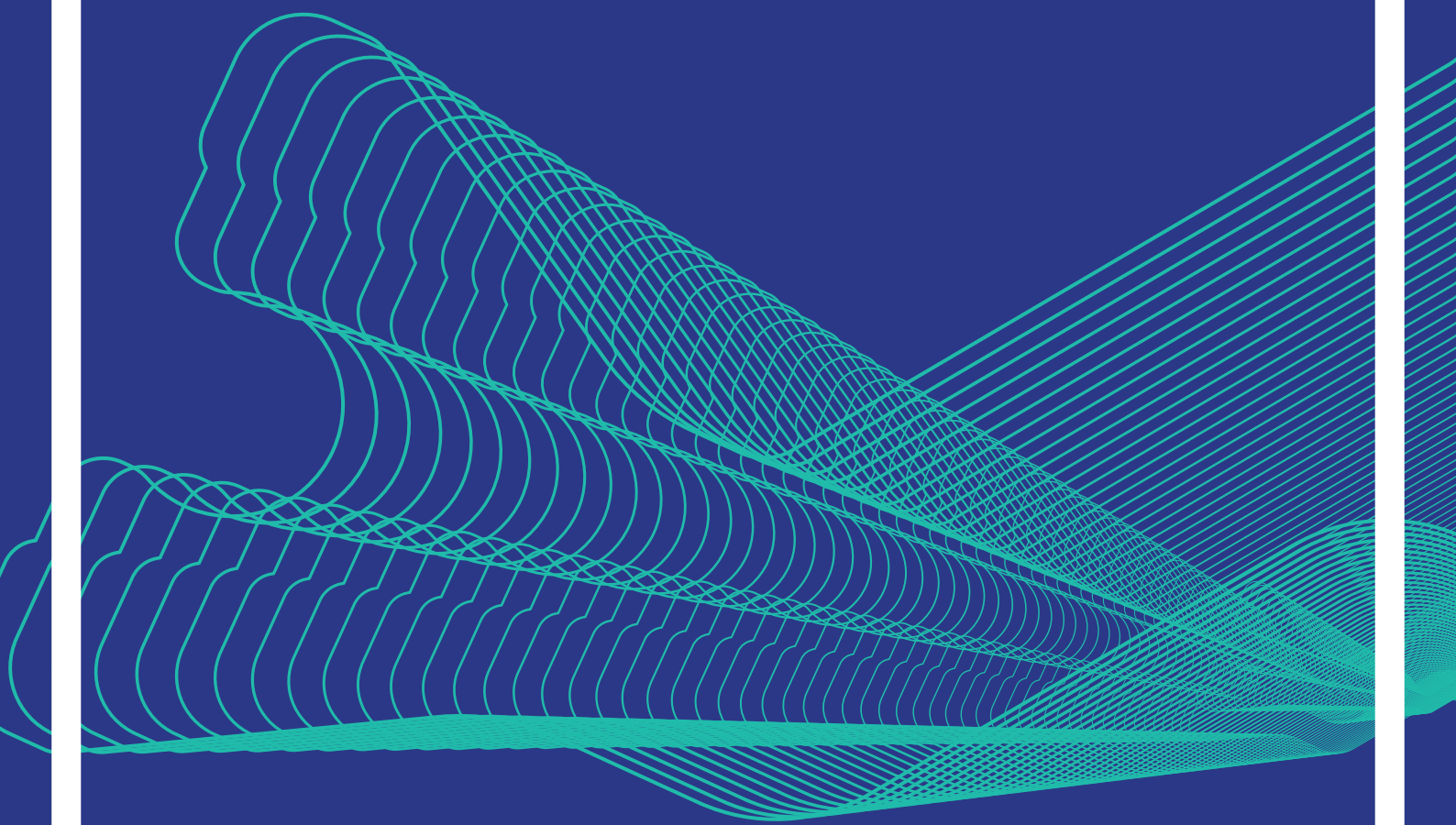




Standard Profiles

Insulation solutions for
windows, doors, and facades.

Hello, it's us, Technoform

As a family company, we know that people empower every business. We firmly believe that the best ideas are always born together. We are Technoform – 1,400 and growing, dedicated innovators that work for our customers worldwide.

Understanding what drives customers and markets since 1969, we develop leading solutions collaboratively. Providing 100% reliability and quality on all levels, we offer the same level of high-quality services and solutions all around the world. 45 sites in over 40 countries ensure continuous supply wherever you are.

Performing 360° precision and 1,000+ skills, our highly trained team turns individual needs into tailored technological solutions. Delivering quantities from 1 to 1,000,000, our customers can rely on receiving the best available package of quality, quantity, time, and price.

We invite you to browse through this brochure and find out how we can support your personal vision.



Our everyday business? Finding solutions for you

In a fast-paced industry landscape new ideas and solutions are the currency that matters. Markets emerge, businesses transform, processes change. At Technoform, we unleash the full potential of people and their ideas across a global network to meet today's challenges collaboratively. We are people with a passion for plastics solutions. And in plastics extrusion we excel.

Our unique high-precision extrusion process allows us to form the most complex plastics – including those typically only suitable for injection molding. As a result, we are proud to offer outstanding technical characteristics that go far beyond the ordinary: extremely smooth surfaces, uniquely sharp contours, the lowest tolerances, the highest precision, and various custom material properties you would not usually expect from a plastic solution. In a nutshell: we always look for the perfect solution for you.

Take a look around – we are closer than you may think

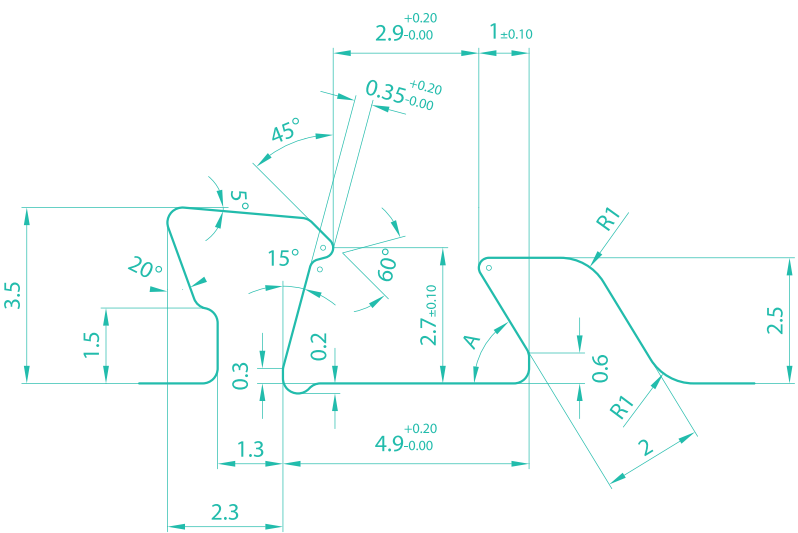
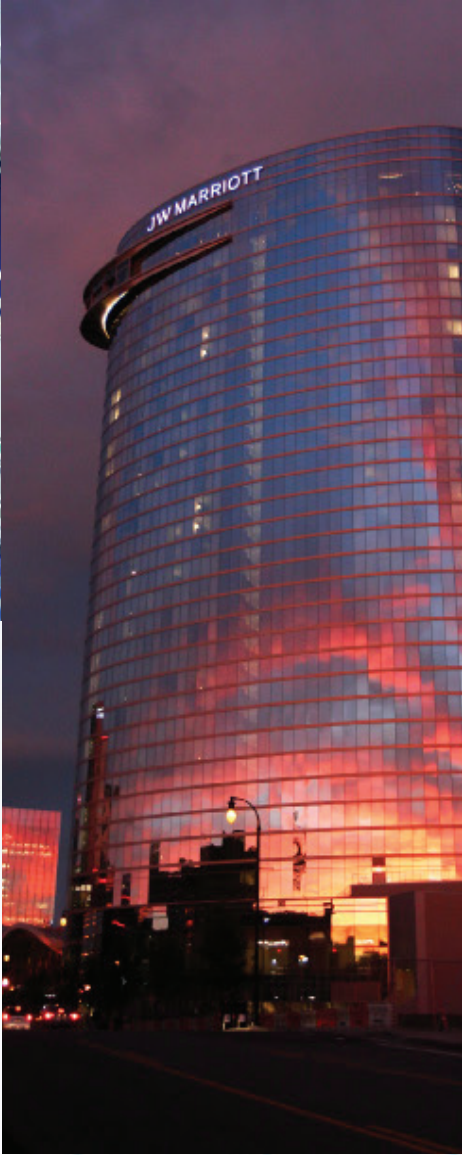
Providing holistic knowledge and technical expertise, we are the can-do partner and problem solver for various industries. This spans from thermal edge bond solutions for architects, building planners, and manufacturers of insulating glass units (IGUs), a vast range of insulation solutions for aluminum windows, doors, and facades, to high-precision plastic profile solutions and system components for the automotive, aviation, and electrical engineering industries – just to name a few.



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 14 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.



Radii ° = R0,2 | Others = R0,3
Angle A = 58,6° for production max. 60°

Technoform aluminum standard groove

Thanks to our long-standing expertise we have developed a cost-efficient and precise way to offer a great variety of standard solutions. And yes, when we talk about precision we mean exact calculation, determination of the correct angle and simulation of the product size. Everything that is required to match your needs.

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

10 mm	12 mm	13.4 mm	14 mm		14.8 mm
 244800*	 926900*	 979200	 202300	 493100#	 945500*
	 405400*	13.5 mm	 913700	 240200#	 931000
	 975300		 603200*	14.6 mm	 948500*
	 977500	 249100	 202400		 941600* · 951859
	 442500*		 217100	 933900 · 951459	 201000
	 209900		 233200	 951559 · 943300	 931100 · 951759
	 328100		 948600	 241600	 961459
	 958241*		 603300*	 980600	 925500
	 433800**		 486900	 223900	 221900
			 948700	 313000	 306400*
			 235300	 259900#	 203900

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14.8 mm			15 mm	16 mm	
 208500	 270300	 299000*	 910300	 962159#	 961859
 952100 · 962059	 457300*	 486100	 952200#	 973500	 963900
 406100#	 403400	 606100**		 256700*	 203200#
 378600*	 289700			 962259#	 219900
 937600*	 937700			 970559	 253100*
 953241*	 961559*			 973600	 270000
 221400	 987400			 942100	 940800
 237600	 459600*			 976100 · 925100	 976000
 246700	 488200			 941800	 214400
 320100*	 977000			 221000	 221100
 257100	 295600			 277200	 227500

Standard profiles

16 mm	16.5 mm	18 mm		18.6 mm	
 270100	 977400	 955100	 276900	 912100 · 912159	 979300
 961959	16.6 mm	 908300*	 290600*	 944300	 330500
 977600	 420800#	 551000*	 414100*	 251500*	19 mm
 445500	17 mm	 221200	 357400	 591300*	 434900*
 977900	 592000	 249200	 955200	 276800	 435000*
 940300	 286600*#	 964000	 277000	 283400*	 435100*
 945900	17.4 mm	 261200*	 322100*	 977700	 435200*
 981700	 242700#	 550900*	 248300	 332700*	19.8 mm
 539900*		 270200	 955300	 522300*	 457400*
 980900		 955000	 418000*#	 522200*	 457500*
 277600#		 463600*	 622800	 952459	 457600*

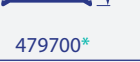
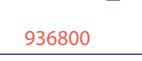
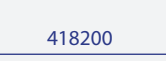
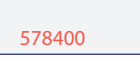
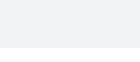
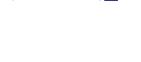
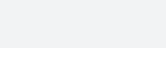
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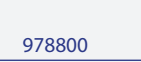
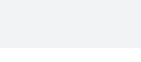
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20 mm			20.6 mm	22 mm	
 933200	 279500 · 296200	 297800	 221500#	 202200	 574600*
 266800* · 279400	 976600	 924900*	 221600#	 242900	 243000
 912500 · 957600	 439500#	 964100	21 mm	 229900*	 431300
 361000	 545600*	 540000*	 556500	 908400	 977200
 234700	 964200	 562100	 357500	 228100	 254100
 269100*	 957400	 499500#	 556400	 257300*	 389600 · 388200*
 945800*	 444500	 228900		 271300*	 439100
 277400	 228700	 493200*		 269700	23 mm
 957300*	 966500	 627300*#		 966605	 283000#
 941700	 218500			 978700*	 282600#
 260700* · 942600	 325500			 551100*	 538800

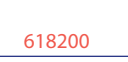
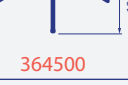
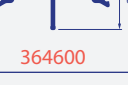
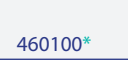
Standard profiles

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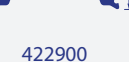
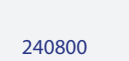
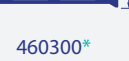
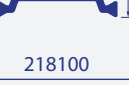
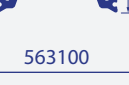
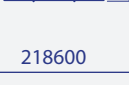
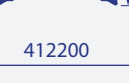
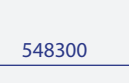
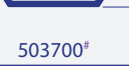
24 mm					
 961759-933100	 987200	 616200*	 545700*	 969959*	 246600
 965159#	 220300	 940400	 577600*	 399200	 547100*
 390900	 246300*	 203100#	 964300	 439400#	 435300*
 241700#	 271400(498800)*	 956059	 979900	 962659	 214800
 279600	 927200	 957500	 224000	 251600*	 448400
 975900-307300*	 925200*	 231900	 228800	 969859*	 224600
 979500	 975700*	 285700*	 403500	 969759*	 964559#
 961105#	 249000	 404000*	 513000(231800)*	 214000	 464600
 459500	 269000*	 228200	 403900*	 984300	 479700*
 936800	 279700	 956159	 418200	 459700*	 578400
 14.80	 6.00	 16.40	 4.05 11.20	 11.05	

24.8 mm	25 mm	25.3 mm	26 mm		
 246100	 950159	 470200*	 567000*	 978900	 259300
 215600	 562800*	 329600*	 254800	 264100	 544900#
 457700*	 249500	 329700*	 260600	 357700	27 mm
 215700	 946700	 329800*	 453100	 557400*	
 214300	 974500	25.5 mm	 908500	 557500*	 932000
 559000*	 974600		 304500*	 426400	 971605
 458400*	 554100*		 491200	 394200	 253800*
 366500*	 414000*		 289300#	 401700	 253900*
25 mm	 431800*		 978800	 208700	27.5 mm
	 910400	 536700*#	 626600*	 301000	
 5.60			 12.70	 7.35	 6.00

Standard profiles

28 mm			29 mm	29.8 mm	30 mm
 467400*	 355400	 229100	 531400*	 458500*	 947400
 222500	 584300*	 308600	 547200*	 458600*	 478600
 948400	 516900	 261900	 587400*	30 mm	
 927700	 459900*	 242100	 547400*	 219500	 475400*
 214700	 460000*	 321500	 522400*	 220800	 225500
 223500*	 450000	 326800	 522500*	 246200	 241200
 551200*	 530800*	 548200	 522600*	 603600*	 352400
 618200	 530900*	 571000	 547300*	 908600	 364500
 280900	 280800	 509900	 531500*	 324100*	 364600
 354400	 271600	29 mm		29.2 mm	
 475500	 975100*	 531300*	 460100*	 498000*	 393000

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30 mm	32 mm		34 mm		
 349400	 494500	 289100	 935100*	 558600	 425100
 516600	 939700	 492100	 949200	 532600	 426300
 277100*#	 367900*	 273900	 463900*	 274000	 429100
 414400	 259800	 488300	 587800	 543300	 384200
 414300	 496000	34 mm		 260900	 610700*
32 mm		 355800	 603700*	 422900	 430400
 587000*	 418400	 464800	 240800	 266500	 460300*
 239300	 218100	 610600*	 463800*	 986300*	 575400*
 354700	 563100	 268400	 400100	 265600	 218600
 303700	 412200	 625900*	 548300	 321700	 503700#
 371800	 216100	 349300	 575300*	 269200	

Standard profiles

34.8 mm	35 mm	35.3 mm	37 mm	39 mm	
468500*	516300*	485500*	394600	546200	368500
					39.8 mm
468700*	516400*	477400*	394400	575000*	
366600*	516500*	477500*	394500	522700*	468600*
		36 mm			
366700*	358700			515000	468800*
35 mm			38 mm		
		201300			522800*
432000	423700	983400	327800	522900*	
337700	423500	412100	266700	575200*	
418600	427100	591500*	219300	340000*	
215500		392400	335900	340300	
522100		557600	363700	340100*	
533200		478100		340200	

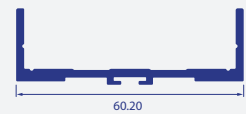
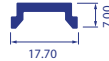
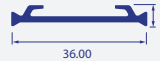
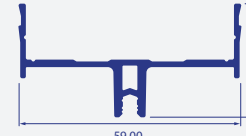
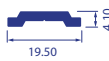
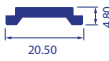
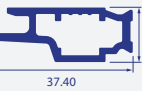
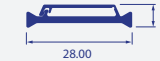
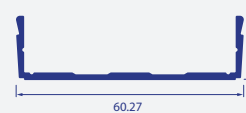
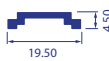
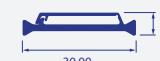
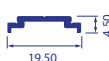
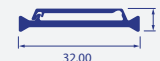
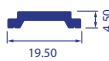
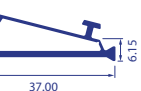
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40 mm	41 mm	44 mm	45 mm	49 mm
357800	441500*	332500 · 502100	466500	617600
			46 mm	
605600*	441700*	574700*		
444200	555800*	352100	200100	419400
	42 mm			
287800			506500*	470800
412000	286300	574800*	467100*	
364700	592900*	574900*	467300*	
442800	334800	604700*	506600*	
			48 mm	
441900	593000*	604800*		
553500*	461500*		365800	
	463000*		457000	
	599100*			

Standard profiles

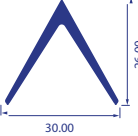
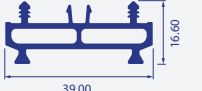
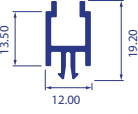
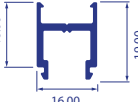
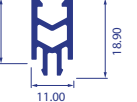
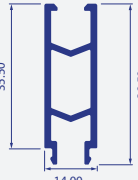
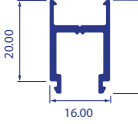
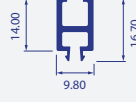
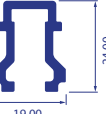
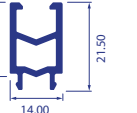
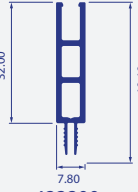
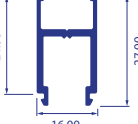
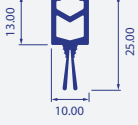
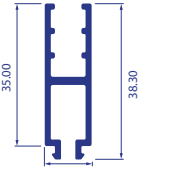
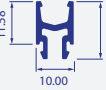
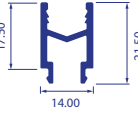
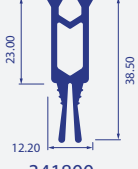
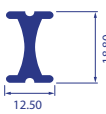
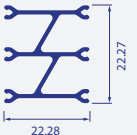
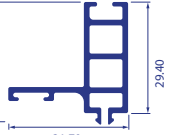
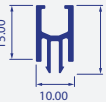
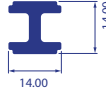
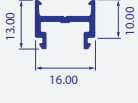
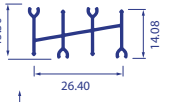
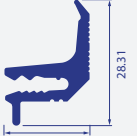
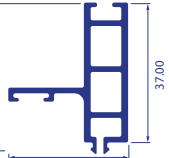
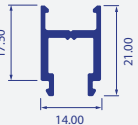
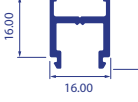
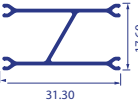
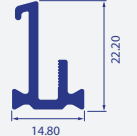
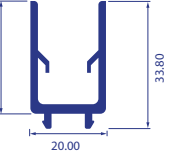
54 mm	60 mm	64 mm	77 mm
 617700*	 463500	 328600 *	 261000
 617800*		 507500 *	
 617900*		 507600 *	
 515700		 619800*	
 515600			
 492200			
 539600			

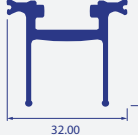
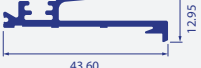
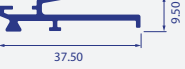
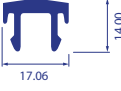
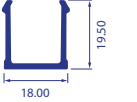
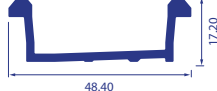
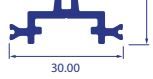
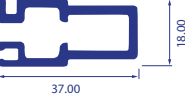
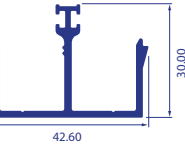
000000 Article Number / 000000 New Article /
* Article production in Asia / # Head not compatible to Standard Groove

Profiles for minimal sliding doors	Operating Rods	Hidden Sash	Anti-bi-metal	
 440100	 224400	 346000	 458800	 521000
 440200	 218000	 375400#	 317000	 316200
 440300	 254700	 506400#	 370000	 418100
 440400	 224500	 513400#	 317100	 387500
	 616500*	 550600#	 339900	 339000
	 601100	 529500#	 429900	 464400
	 222400*	 620400#	 520900	

Standard profiles

000000 Article Number / 000000 New Article /
* Article production in Asia / * Head not compatible to Standard Groove

Specials		Curtain Wall Spacers			
 200600	 339700	 217300	 337400	 959000	 309900
 212100	 492000	 218200	 242400	 959100	 310000
 234800	 432100	 242300 *	 423200	 959200 *	 341700
 254400	 449500	 212500	 248800 *	 472500	 341800
 263800	 461700 *	 398900	 280100	 578700*	 609100*
 344400	 563700 *	 399000	 536600 *	 959000	
 31.30 x 17.60	 22.20 x 14.80	 29.83 x 20.00 x 33.80	 40.00 x 15.00		

Edge Cover	Profiles for sliding windows and doors			
 612700*	 200500 #	 415500	 229000	 419000 #
 610000*	 979600 #	 389900	 272700	 495600
 612900*	 244900	 371900	 232600	 306200**
* Aluminum clip can be customized in special cases	 343200	 933000	 245000	 354300
	 385200	 385100	 301000	 384300
	 248100	 263000	 255300	 173600
	 254500	 282200	 519600*	 959300
	 23.00 x 9.30	 71.50 x 18.80	 28.00 x 11.88	



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
- Belgium & Netherlands

 - Butgb vzw · UBAtc asbl · Belgian Union for Technical Approval in Construction
 - FAC · Federatie Aluminium Constructeurs
 - VMRG · Vereniging van Metalen Ramen - en Gevefabrikanten
- France

 - CSTB · Centre Scientifique et Tech- nique du Bâtiment
 - SNFA · Syndicat National de la Con- struction des Fenêtres, Façades et Activités Associées
- Germany

 - IFT-Rosenheim · Institut für Fen- stertechnik 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 Umweltfor- schung GmbH
 - Deutsche Gesellschaft für Nach- haltiges Bauen
- Great Britain

 - CAB · Council for Aluminum in Building
 - BFRC · British Fenestration Rating Council
- Portugal

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

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

 - AAMA · American Architectural Manufacturers Assn.
 - GANA · Glass Association of North America
 - NFRC · National Fenestration Rat- ing Council
 - FGIA · Fenestration and Glazing Industry Alliance
 - AEC · Aluminum Extruders Council

South America

 - CAIAMA · Cámara Argentina de la Industria del Aluminio y Metales Afines.
 - Brasil AFEAL · Associação Nacional de Fabricantes de Esquadrias de Alumínio
 - AMEVECA · 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

Southeast Asia

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

Australasia

Australia & New Zealand

 - WGANZ · Window & Glass Association New Zealand
 - AGWA · Australian Glass & Window Association
 - IGMA · Insulating Glass Manufacturers Alliance

Certifications

Europe
TÜV Certification
according to ISO 9001:2015
Cradle to Cradle Certified™
Gold level Material Health Certificate
Environmental Product Declaration

Germany
TÜV Certification
according to
ISO 14001:2015
ISO 50001:2018
ISO 45001:2018

Italy
TÜV Certification
according to ISO 14021:2021
RINA Certification
according to ISO 45001

Belgium
ATG Certification

North America
TÜV Certification
according to ISO 9001:2015

Russia
GOST Certification
Cradle to Cradle Certified™
Gold level Material Health Certificate

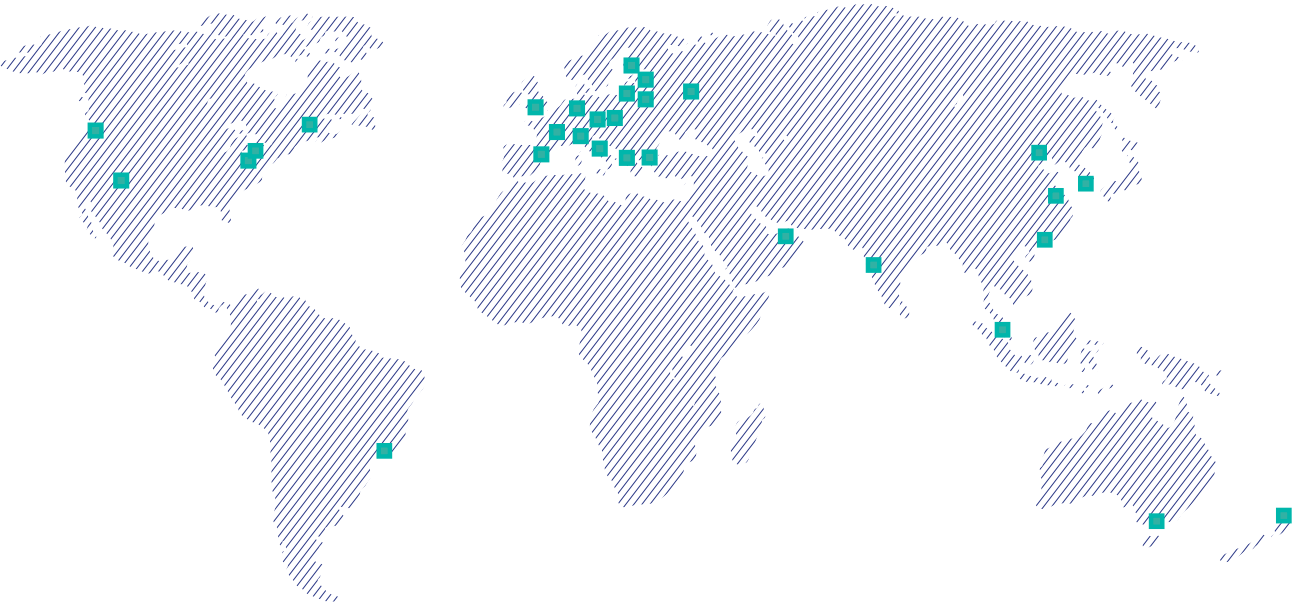
China
TÜV Certification
according to
ISO 14001: 2015
ISO 9001: 2015
ISO 45001:2018

Hong Kong
TÜV Certification
according to
ISO 14001: 2015
ISO 9001: 2015
ISO 45001:2018

Singapore
Singapore Green Building Product –
3 ticks (Excellent)

Vietnam
LOTUS certification

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