ELITE GROUP OF COMPANIES

Innovation and leadership are two terms usually associated with Elite Group of Companies. Driven by passion and dedication, we offer you world class products, solutions and systems in aluminum architectural & non architectural applications. The role of fine-tuned solutions in construction is huge. Whatever the size of the business may be, companies need top quality services that the professional team at Elite Group promise. When it comes to end-to-end solutions and professional management expertise, Elite Group of Companies has always given its best.

An ISO 9001:2008 certified organizations; our group has been at the apex of providing a vast array of commendable services. Since its inception, the endeavor for each group' subsidiary has been to deliver excellence in terms of quality products and services.

Continuous investments and continuous process improvement aim, we have been successful at making a positive impact on our global customers through sheer dedication and commitment.

Elite Group has developed a stronghold in the international arena. Innovation, integrity, and respect, defines our culture. We have an extensive network of clientele that seek our in-house expertise in all necessary disciplines. With a strong management ethos and

adopting a proactive approach, we have successfully catered to every demand and requirement of our valuable customers. This evolution is continuing through an increasing focus on the mentioned scope in which Elite group of companies has taken the lead.

Elite Group takes pride in being a unique organization that has the capability to link the raw material with end user. Our subsidiaries can transform the base material into the defined application, in a continuous supply chain.

The core competencies of the Elite Group include several manufacturing plants equipped with state-of-the art European technology for a full group capacity of more than 60,000 MT/year of production of extruded profiles and 24,000 MT/year of aluminum rolled products.

Premises and staff to control the extrusion lines and the continuous rolling casters along with ancillary and support equipment, makes Elite Group one of the main player in the Middle East aluminum industry to cater the global demand.

Group coating capacity is about 55,000 MT/year with 4 coating lines for profiles, 1 coating line for coils, in addition to the wood coating line and anodizing line for profiles finishing. The extrusion is supported with 3 die shops for design, manufacturing and correction of the tools. Furthermore engineering and calculation offices to serve and support the customer requirements.

As on 1st Nov. 2017 2017/Rev. 0

INTRODUCTION TO SYSTEM

Elite Group is oriented to fulfill the obligation to both its customers and to the community at large. Accordingly, while we have been developing aluminium profiles for the general use, we introduced the ecofriendly and energy saving thermally broken profiles; the **ECO-500 Series**.

The ECO-500 Series comes in sliding and casement options.

While the profiles are automatically guaranteed for superior quality by strict adherence to quality standards on the in-house manufacturing process, the thermal insulating polyamide strips are imported directly from world class European suppliers. The system in Euro-groove compatible and hence, goes with standard European accessories suppliers.

If need, our Technical Department can render all technical support and service.

The improved version ECO-500 Series, which superseds the earlier issue, has been engineered to synergize aesthetics with case of fabrication.

Please note we have withdrawn the earlier version of the catalogue and hence, customers are requested to order based only on this updated catalogue.

ECO - 500 THERMALLY BROKEN CASEMENT SERIES

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Eco 500 Thermal Break Casement System catalogue is protected and is the exclusive property of Elite Group of Companies. Copying / re-producing partially or fully of this catalogue without written approval is illegal.

Certificate of Testing



Certificate Number: CHL06

Date: 2007 December

Project: ECO-500 Thermal Casement Window

System Supplier: Al Hamad Industries Co., (L.L.C.)

Extrusion Division P.O. Box 6275 Sharjah, U.A.E.

System: ECO-500 Thermal Casement Window

Tested for: Operation Force Test

Air Infiltration Test Pass
Static Cyclic Water Penetration Test Pass
Structural Performance Test, (+/-) Pass
Repeat Static Cyclic Water Penetration Test Pass
Structural Performance Test @ 150% Pass

Notes: Testing conducted in accordance with ASTM, or industry standards.

This certificate to be read in conjunction with the full report of testing.

Refer to report for performance criteria.

Thomas Bell-Wright International Consultants





Pass

Date: 30 December 2007

P.O. BOX 26385 DUBAI, U.A.E. TEL: (+9714) 333-2692 FAX: (+9714) 333-2693 WEB: www.bell-wright.com

Test Certificate of Casement Window

b. Air Infiltration Test

ne she	PROJECT NAME		ш	ECO-500 CASEMENT THERMAL BREAK WINDOW	CASE	MENT	THERM	IAL BE	EAK WI	NDO/	>
Saturday, December 15, 2007 12:20 PM	Air Infiltration Test A	STM E 28									
SPECIMEN TEST CRITERIA Month Mo							Saturda	y, Decen			Reset Date
Sealed Secondario Pressure 101.6 mb	AMBIENT CONDI	TION				ı				I	
NEER	Air Temperature	22.4	O	Barometric			qu	Ä	lative Humidi		%
Second Mark	TESTING ENGIN	EER									
Height 1 m	Clark Facun						SPECIM	EN TEST	CRITERIA		
A-PTL1 ✓ Width 1.8 m B-PTL2 ✓ Test Pressure 75 Paf B-PTL2 ✓ Test Pressure 75 Paf B-PTL2 ✓ Permitted leakage area 2.06 m³/hr/m² Permitted leakage (Meter opening joint) 0.0 m³/hr Page (Meter opening joint) 0.0 m²/hr Page (Meter opening joint) 0.0 m²/hr Page (Meter opening joint) 0.0							Height	-	E		
B-PTL2 ▼ Test Pressure 75 Paf B-PTL2 ▼ Test Pressure 75 Paf B-PTL2 ▼ Test Pressure 75 m³/hr/m² Sealed with polythylene sheet Pressure 75 Pa Total permitted leakage area 2.06 m³/hr/m² Pressure Pressure 2 75 Pa Nozzle Pressure 7.00 Pa³/hr Pressure 2 Pa Display Nozzle Pressure 7.5 Pa Pa Pressure 2 Pa Nozzle Pressure 7.5 Pa Pass 38.7 m³/hr Stop 1 Nozzle Flow 38.7 m³/hr recorded at 12:28:48 PM Bass 12:38 PM Display Pass 12:38:48 PM	Conical nozzle dia.	▶).06	mm				Width	1.8	E	n	Undate Links
B-PTL2 Test Pressure 1	Vozzle connection	A-PTL1	F			Spe	cimen area	1.8	Ε		
Sealed with polythylene sheet Permitted leakage area 2 Sealed with polythylene sheet Total permitted leakage 3 Sealed with polythylene sheet Total permitted leakage 3 Mozzle Pressure 75 Pa Display READINGS 38.7 m3/hr Stop 1	Chamber connection	B- PT L2	•			Te	st Pressure	75	Paf		
Permitted leakage area 2 Realed with polythylene sheet 3 Total permitted leakage (Meter opening joint) 1 Total permitted leakage (Meter opening joint) 2 Analysis Sealed with polythylene sheet 3 Total permitted leakage 3 Total permitted leakage 3 Total permitted leakage 3 Total permitted leakage 3 READINGS Chamber Pre C					Le	ength of o	pening joint	0.0	E		
Sealed with polythylene sheet Total permitted leakage (Meter opening joint) Total permitted leakage 3 Total permitted leakage 3 Total permitted leakage 3 READINGS READINGS READINGS ROZZIE Pressure 2 Pa Stop 1 St					Pe	rmitted le	akage area	2.06	m³/hr/m²		
Total permitted leakge 3 amber Pressure 75 Pa Display Nozzle Pressure 88.7 m3/hr Stop 1 atta recorded at 12:28:48 PM Conclusion Pass Total permitted leakge 3 Bisplay Chamber Pre Chamber Pre Nozzle Pre Stop 1				Permitt	ed leakage	(Meter op	ening joint)	0.0	m³/hr/m		
Sealed with polythylene sheetREADINGSamber Pressure Nozzle Pressure Nozzle Flow Nozzle Flow75PaDisplay Stop 1Chamber Pre Nozzle Pre Stop 1Nozzle Flow Nata recorded at 12:28:48 PM\$12:28:48 PMData recordSummary RESULTS cimen Leakage Conclusion0.00m³/hr					Ĕ	otal perm	itted leakge	3.71	m³/hr		
75 Pa Display Chamber Pressure 75 38.7 m3/hr Stop 1 Nozzle Pressure 2 12:28:48 PM Stop 1 Data recorded at 12:30:28 PM Summary Results 0.00 m³/hr Pass Data recorded at 12:30:28 PM	READINGS	Sealed	with polythyle	ne sheet		REAL	SDNIC	Witho	ut Polythyle	ne sheet	
2 38.7 m3/hr Stop 1 12:28:48 PM SumMARY RESULTS 0.00 m³/hr Pass	Chambe	r Pressure	75	Ра			Chamber	Pressure	75	Ра	
38.7 m3/hr Stop 1 Data recorded at 0.00 m³/hr Data recorded at 12:30:28 PM	Nozzle	Pressure	2	Pa	Display		Nozzle	Pressure	2	Ра	Display 2
Stop 1 12:28:48 PM SUMMARY RESULTS 0.00 m³/hr Pass	ž	ozzle Flow	38.7	m3/hr			8	zzle Flow		m3/hr	
12:28:48 PM SUMMARY RESULTS 0.00 m³/hr Pass					Stop 1						Stop 2
SUMMARY RESULTS 0.00 m³/hr Pass	Data re	ecorded at					Data re	corded at		_	
0.00 m³/hr			CHMMARY	BECI TO							
0.00 m³/hr Pass				1120113							
Tass	Specime	ר Leakage הביוייים	0.00	m³/hr							
)	olicinal olicinal	7 435				1		Signature		

ECO-500 CASEMENT

THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS
HH18ECO-500CasementWindowFR.lwp

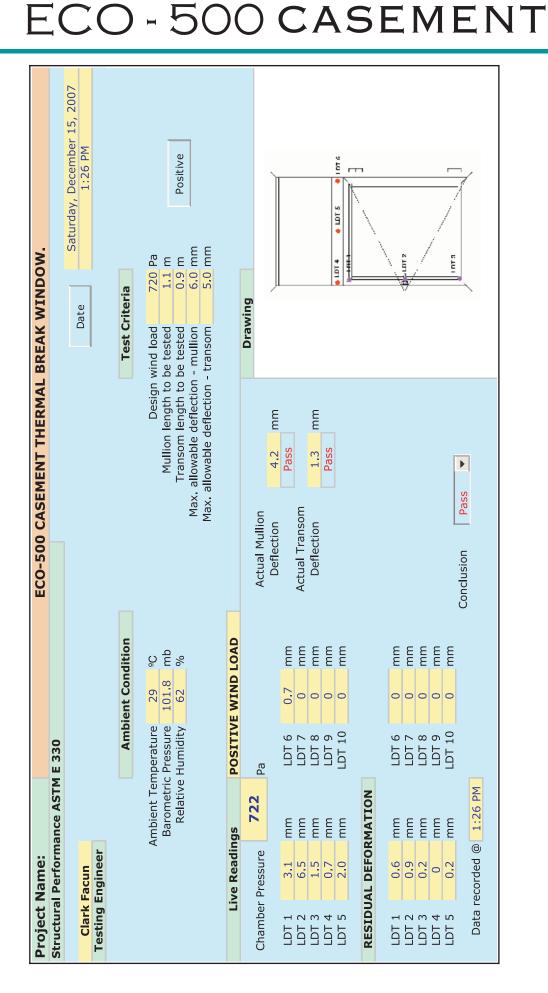
12:45 PM Actual when timer stopped 1:02:55 PM Saturday, December 15, 2007 Start/reset timer 12:38:55 PM Calculated finishing time 1:02:55 PM • Conclusion Pass Update % Ε nozzles **Clark Facun** 1.8 **Testing Engineer** ECO-500 CASEMENT THERMAL BREAK WINDOW 62 Height Relative Humidity $^{\circ}$ **TEST CRITERIA** rows of 137 Date & Time Test Pressure mp Ε The spray rack will consist of SECONDS 101.6 1.0 Stop 0 Barometric Pressure Width **CHAMBER PRESSURE** MINUTES Start TIMER 24.0 Static Cyclic Water Penetration test ASTM E331 24 Zero pressure ပ္ပ **Static Water Penetration Test** B- PT L2 HOUR 2.0 25 0 **AMBIENT CONDITION** 0 Air Temperature Chamber Connection US gallon per minute **Project Name** Ü

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15 of 22

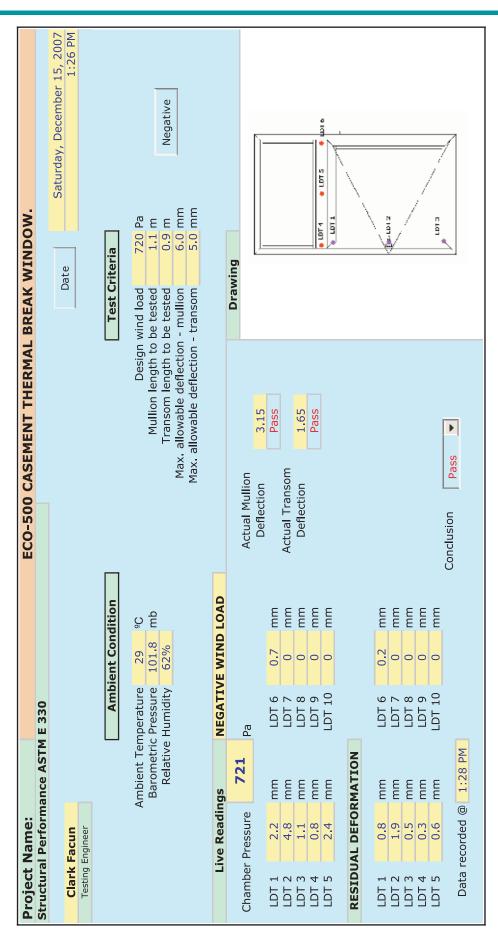
Test Certificate of Casement Window

d. Structural Positive Performance



THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS
HH18ECO-500CasementWindowFR.lwp

e. Structural Negative Performance - Method A



THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS HH18ECO-500CasementWindowFR.lwp

Test Certificate of Casement Window

Clark Facun

Stop

Start

Zero pressure

Testing Engineer

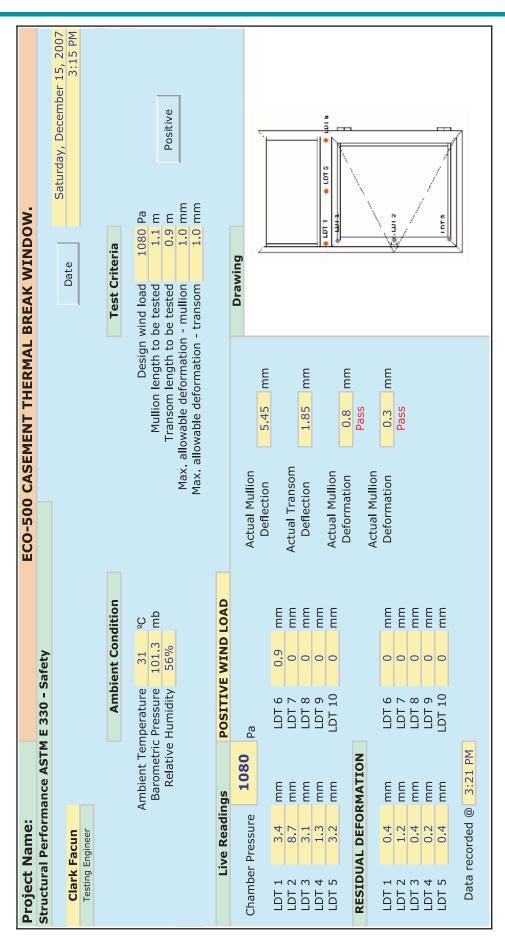
Saturday, December 15, 2007 1:40 PM Actual when timer stopped 2:08:38 PM 1:44:37 PM 2:08:37 PM ▶ Update Conclusion Pass % Ε Calculated finishing time_ Start/reset timer 28% nozzles 1.8 **ECO-500 CASEMENT THERMAL BREAK WINDOW.** Relative Humidity Height **TEST CRITERIA** Ра rows of Date & Time 137 Test Pressure 7 mp Ε The spray rack will consist of SECONDS 101.3 1.0 0 Post Structural - Static Cyclic Water Penetration test ASTM E33 Width **Barometric Pressure** CHAMBER PRESSURE TIMER MINUTES 24.0 24 ပ္ပ B- PT L2 HOUR 29 0 **AMBIENT CONDITION** 0 Air Temperature Chamber Connection US gallon per minute **Project Name**

ECO-500 CASEMENT

THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS HH18ECO-500CasementWindowFR.lwp

Static Water Penetration Test

g. Structural Positive Performance @ 1.5 Design Wind Load - Method A

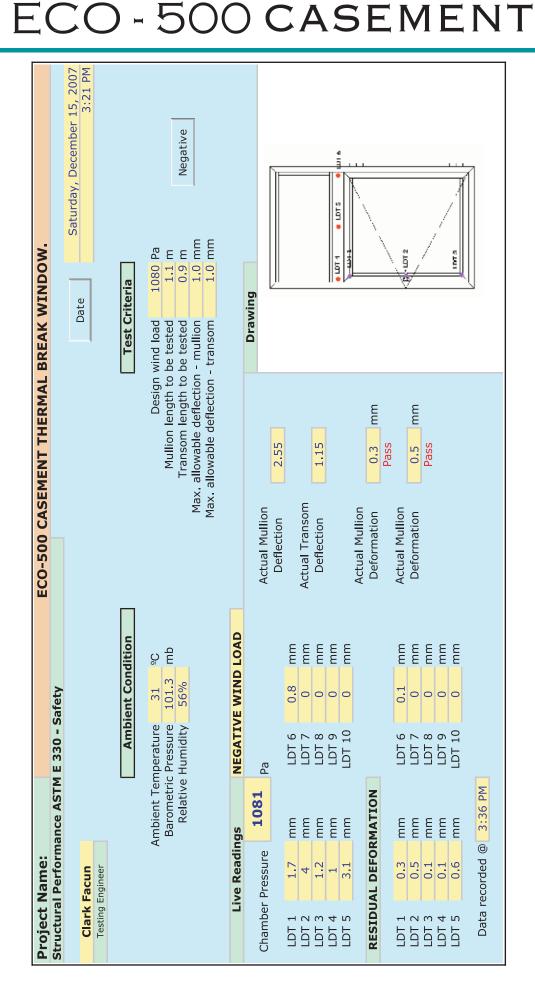


THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS HH18EC0-500CasementWindowFR.lwp

Test Certificate of Casement Window

Test Certificate of Casement Window

h. Structural Negative Performance @ 1.5 Design Wind Load - Method A



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THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

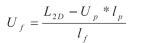
Theory

with:

The thermal transmittance of a frame according to EN ISO 10077-2:

POWERED BY

TECHNOFORM BAUTEC



and
$$L_{2D} = \frac{q_{l,tot}}{\Delta \theta}$$

 U_f : thermal transmittance of the window frame [W/m 2 K]

U_n: thermal transmittance of the flanking panel [W/m ²K]

l_p: projected width of the flanking panel [m] l_f: projected width of the window frame [m] L_{2D}: two-dimensional coupling coefficient [W/mK]

 $q_{l,\text{tot}}$: total heat flow through the window frame and the flanking panel [W/m]

 $\Delta\theta$: temperature difference between inside (θ i) and outside (θ e) [K]

Calculation elite 21 lateral section bisco re

12.158 W/m input data:

0.0 °C $\theta_e =$

20.0 °C $\theta_i =$

0.0238 m

0.035 W/m*K

 $1.176 \text{ W/m}^2\text{K}$

0.190 m

calculation results: $L_{2D} =$

0.0955 m

 $q_{l,tot}$:

 $U_f =$

 $R_{si} =$

0.61 W/mK $4.02 \text{ W/m}^2\text{K}$

 $0.04 \text{ m}^2\text{K/W}$

 $0.13 \text{ m}^2\text{K/W}$

alphanumeric output

heat losses per boundary condition

input data, surface boundary conditions: $\Delta\theta$:

inside temperature minus outside temperature

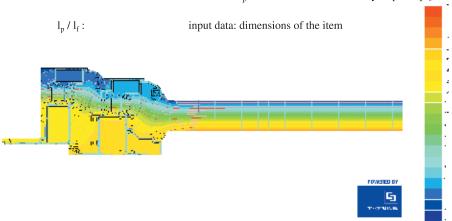
calculation, using the following formula: U_p :

$$U_{p} = \left[\frac{1}{h_{e}} + \sum_{i} \frac{d_{p}}{\lambda_{p}} + \frac{1}{h_{i}}\right]^{-1}$$

 h_e / h_i ext./int. surface heat transfer coeff. [W/m ²K] with:

thickness of panel p [m]

thermal conductivity of panel p [W/mK]



THERMAL TRANSMITTANCE ACCORDING TO EN ISO 10077-2

Theory

The thermal transmittance of a frame according to EN ISO 10077-2:

$U_f = \frac{L_{2D} - U_p * l_p}{l_f} \qquad \text{and} \qquad L_{2D} = \frac{q_{I,tot}}{\Delta \theta}$

with: U_f : thermal transmittance of the window frame [W/m 2 K]

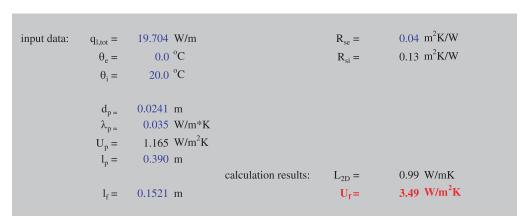
 U_{p} : thermal transmittance of the flanking panel [W/m $\,^2\text{K}]$

 l_p : projected width of the flanking panel [m] l_f : projected width of the window frame [m] L_{2D} : two-dimensional coupling coefficient [W/mK]

 $q_{l,tot}$: total heat flow through the window frame and the flanking panel [W/m]

 $\Delta\theta$: temperature difference between inside (θ i) and outside (θ e) [K]

Calculation Item: elite cental section bisco 2



 $q_{l,tot}$: alphanumeric output

heat losses per boundary condition

 $\Delta\theta$: input data, surface boundary conditions:

inside temperature minus outside temperature

 U_p : calculation, using the following formula:

$$U_{p} = \left[\frac{1}{h_{e}} + \sum_{i} \frac{d_{p}}{\lambda_{p}} + \frac{1}{h_{i}}\right]^{-1}$$

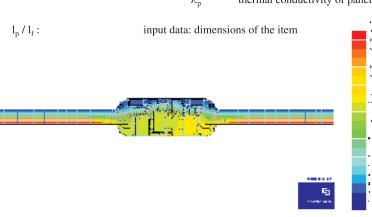
with: h_e/h_i ext./int. surface heat transfer coeff. [W/m 2 K]

d_p thickness of panel p [m]

 λ_p thermal conductivity of panel p [W/mK]

POWERED BY

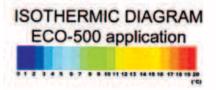
TECHNOFORM BAUTEC

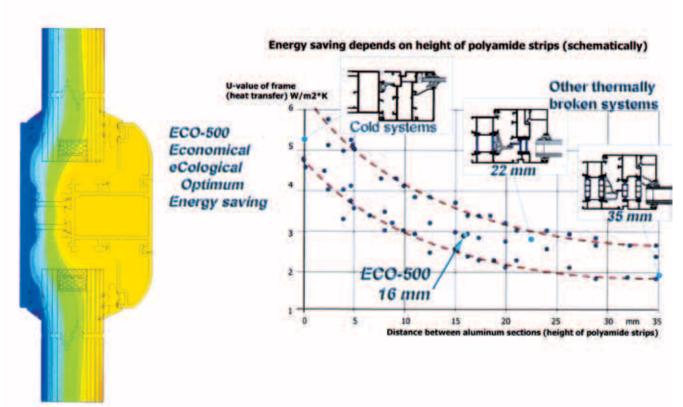


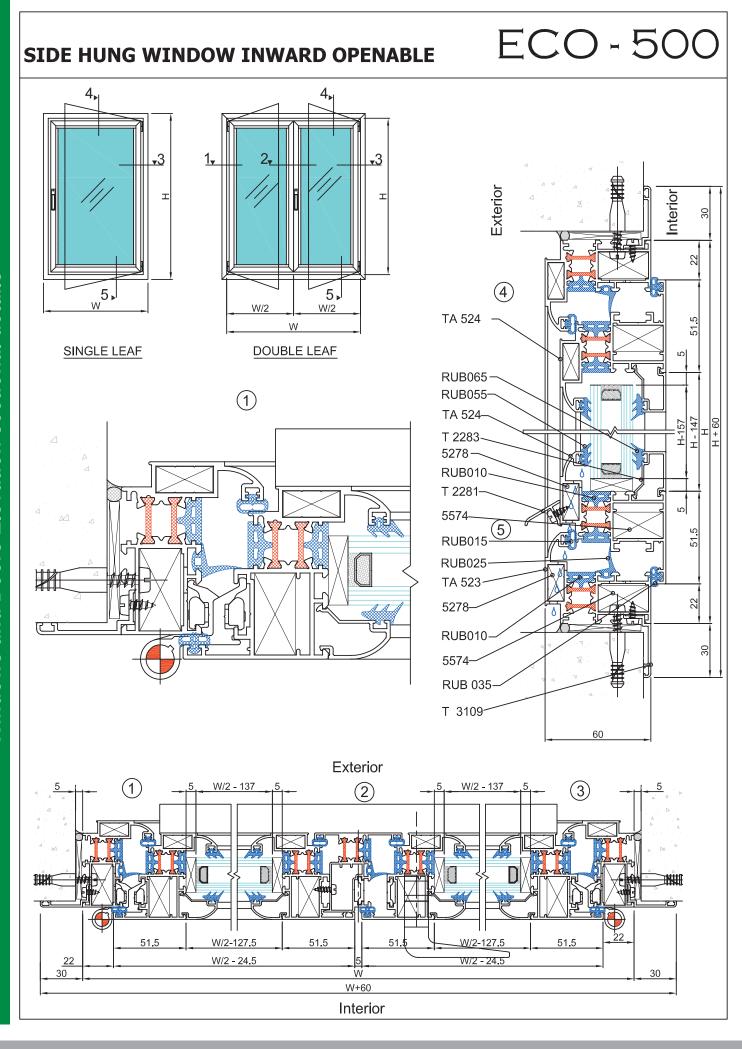
Material Data Sheet Insulating Profiles made of PA 66 GF25 - dry impact resistant

No.
2
3
4
5
6
1

Characteristic	Reference standard	Unit		ed from extruded ng strips	Injected moulde samples
			Dry 0	Humidity equilibrium 21	Dry ti
Melting temperature	EN ISO 11357-3	°C	min. 250	min. 250	min. 250
Density	EN ISO 1183-1 or -3	g/cm ²	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	: e:	82 -/- 4	78 +/- 4	82 +/- 4
Impact strength	EN ISO 179-1 #/ DIN 53453	kJ/m²	min. 30 or without break	min. 40 or without break	min. 35 or without break
Tensile strength	EN ISO 527-2 and -4	N/mm²	min. 80	min. 50	min. 110
Young's modulus	EN ISO 527-2 and -4	N/mm²	min. 4,500	min. 2,000	min. 6,000
Elongation at break	EN ISO 527-2 and -4	%	min. 3	min. 7	min. 3

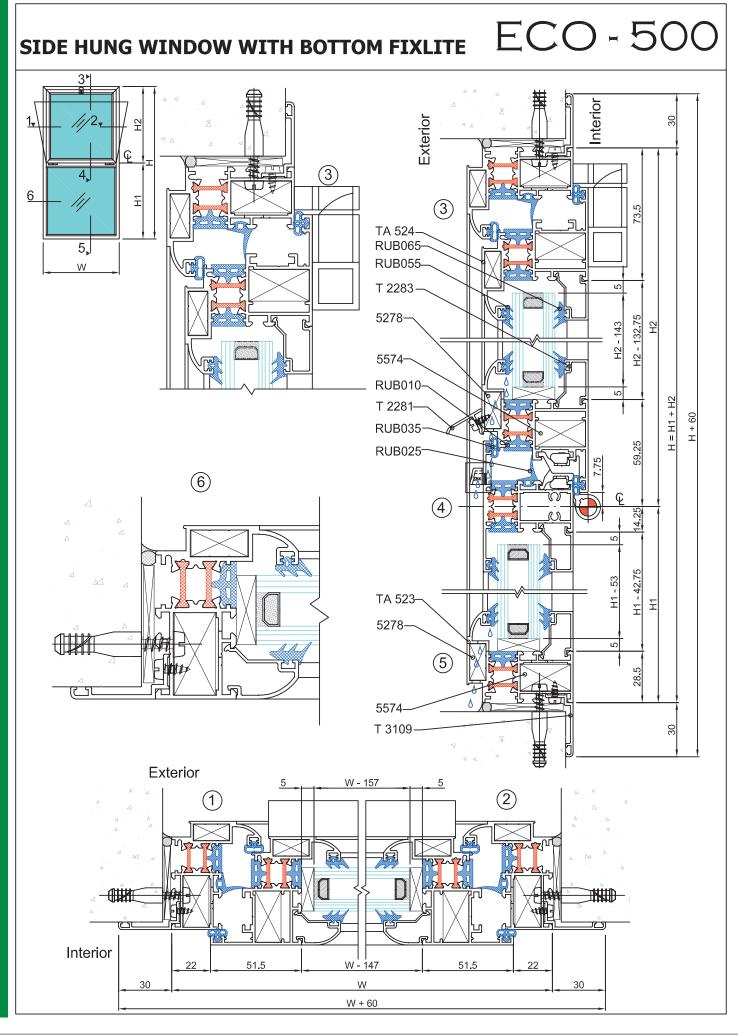






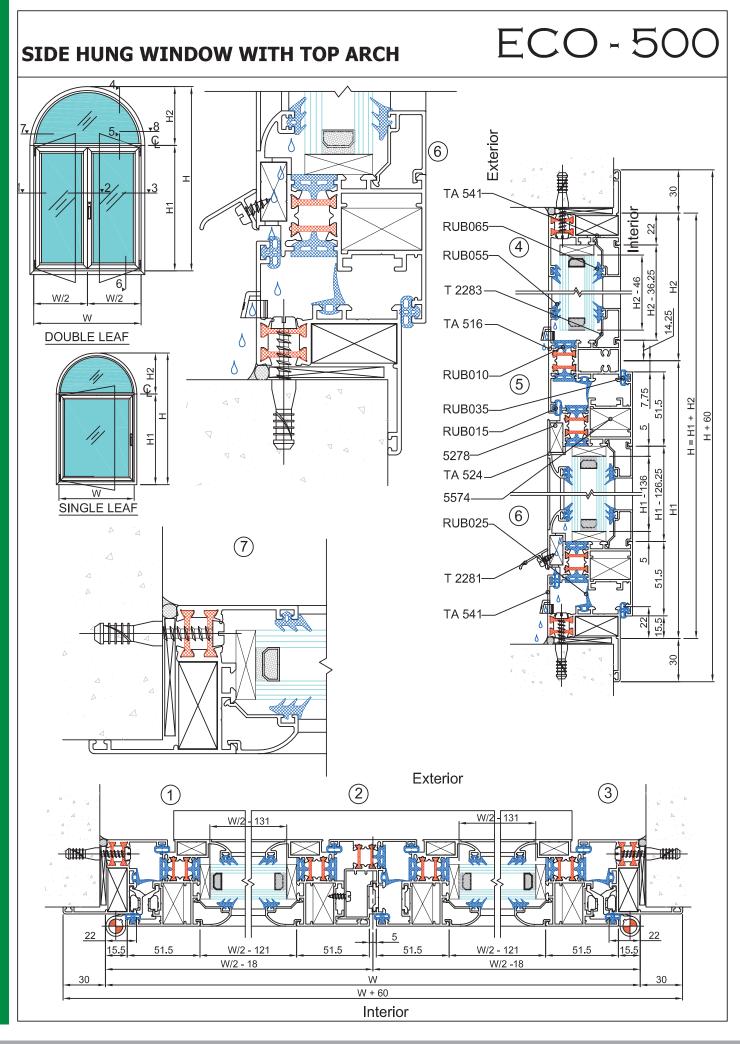
THERMAL BREAK SIDE HUNG WINDOW INWARD OPENABLE

ITEM No.		DESCRIPTION SECTION SE		PROFILE No.	PROFILE CUTTING LIST PROFILE CUTTING ANGLE	CUTTII	NG IZE	No. OF PIECES	REMA	RKS
1.	6c		FRAME WIDTH	TA 523	45°	W		02	\	N
2.	ί.		FRAME HEIGHT	TA 523	45°	Н		02		Н
	ĥ.		SASH	TA 524	45°			02	W - 44 (SIN	IGLE W)
3.	│ ^५ ╃ _┺ ╻		WIDTH	TA 524		W - 4	14	04	W/2 - 24.5(DOL	JBLE W)
1	£		SASH	TA 524	45°	H - 44	4	02	(SII	IGLE W)
4.	₩ <u>,</u>		HEIGHT	TA 524		H - 44	4	04	(DOL	JBLE W)
5.	HE-	1	ADOPTER	TA 518		H - 44	4	01	н	- 44
6.	_	CONNEC	CTING ROD	T 2310		1 - H	1	01		1H
7.		DPOE	PER WIDTH	T 2281		W -44	4	01	W - 44 (SIN	IGLE W)
/·	 イ	DNOF	-EK WIDTH	1 2201		VV -4-	*	02	W/2 - 24.5(DOL	JBLE W)
8.	j	ARCHITR	RIVE WIDTH	T 3109	45°	W + 60	0	02	W +	60
9.	j	ARCHITRI	VE HEIGHT	T 3109	45°	H + 60	0	02	H+	60
10.	-		GL CLIP	T 2283		W - 14	7	02	W - 147 (SIN	IGLE W)
10.	Д		GL CLIP	1 2203		VV - 14	"	04	W/2 - 127.5(DOL	JBLE W)
11.	3/		GL CLIP	T 2282		H -19 ²	1	02	H - 191 (SIN	IGLE W)
11.	V		GL CLIP	1 2202		П-19	'	04	H - 191 (DOL	JBLE W)
12.	1	CORN F	NER CLEAT OR FRAME	5574		28.0		04	MILL F	INISH
13.	1	CORN	NER CLEAT	5278		8.3		04	MILL FINISH (SIN	
	<u></u> 占		OR FRAME					08	MILL FINISH (DOL	JBLE W)
14.			NER CLEAT FOR SASH	5574		28.0 04			MILL FINISH	
15.	1		NER CLEAT FOR SASH	5278		8.3 04 08			MILL FINISH (SINGLE W) MILL FINISH (DOUBLE W)	
					ACCESSORIES LIS	ST ST	-			
ITEM	l No	ACCESSORY		Di	ESCRIPTION		EIN	NISH	SINCLETEVE	DOUBLETEVE
		CODE No.							SINGLE LEAF DOUBLE LEA	
1. 2.		00120N 01150		HIN	GES FOR OVERLAP UNICA HANDLE		P. C P. C		02 04 01 01	
3.		04070		KIT FOR	HANDLE (OPEN IN)			1. F	01	01
4.		0103			NG CLOSING PLUG			1. F	-	1 SET
5.		02111	FLU	JSH BOLT FO	R COMBINED WING		N	1. F	-	1 SET
6.		A300			TIC 5mm GL BLOCK			1. F	04	08
7.		0365			ALIGNMENT CLEAT			1. F	08	12
8.	.	2314			RAIN HOLE COVER		- N	1. F	02	03
	\rightarrow		1		E.P.D.M. GASKET	LIST				
ITEM	l No.	GASKET CODE No.			DESCRIPTION				SINGLE LEAF	DOUBLE LEAF
1,		RUB 035			IMPACT GASKET INTERNAL				2W + 2H	2W + 4H
2.		RUB 025			CENTER GASKET				2W + 2H	2W + 4H
3.		RUB 055			OUTER GASKET				2W + 2H	2W + 4H
4.		RUB 065			INNER GASKET				2W + 2H	2W + 4H
5. 6.		RUB 015 RUB 010		THE	IMPACT GASKET EXTERNAL MAL BREAK FILLER GASKET				2W + 2H 2W + 2H	2W + 4H 2W + 4H
0,	•	1,00 010		1170	MANUEL BILLANTI ILLEN GAGNET				∠vv ' ∠⊓	ZVV ' +FT
	\rightarrow									



THERMAL BREAK SIDE HUNG WINDOW INWARD OPENABLE

				F	PROFILE CUTTING LIS	ST				
ITEM No.		DESCRIPTION SH		PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMA	ARKS	
1.	ή:	4	FRAME WIDTH	TA 523	45°	W	02	V	'	
2.	6 c		FRAME HEIGHT	TA 523	45°	Н	02	Н		
3.	Gr.	1	SASH WIDTH	TA 524	45°	W - 44	02	W -	44	
4.	Gr.]	SASH HEIGHT	TA 524	45°	H - 44	02	H1	- 30	
5.		1	SECTION	TA 516		W - 57	01	W-	57	
6.	~	DROP	ER WIDTH	T 2281		W - 44	01	W-	44	
7.	ز	ARCHITRI	VE WIDTH	T 3109	45°	W + 60	02	W +	- 60	
8.	ز	ARCHITRIV	E HEIGHT	T 3109	45°	H + 60	02	Н -	- 60	
9.	л		GL CLIP	T 2283		W - 147	02	W - 147 F	OR SASH	
٥.	Л		WIDTH	1 2200		W - 57	02	W/2 - 57 FOF	R FIXLITE	
10.	V		GL CLIP	T 2282		H -177	02	H - 177 F	OR SASH	
	7,4		HEIGHT	. 1101		H - 87	02	H - 87 FOF	R FIXLITE	
11.	1	F	ER CLEAT OR FRAME	04	MILL	FINISH				
12.	1		ER CLEAT OR FRAME	5278		8.3	04 08	MILL FINISH MILL FINISH		
13.	1		ER CLEAT FOR SASH	5574		28.0	04	MILL FINISH		
14.	8		ER CLEAT FOR SASH	5278		8.3	04	MILL FINISH		
					ACCESSORIES LIS	ST				
ITEM	l No.	ACCESSORY CODE No.		Di	ESCRIPTION	-		FINISH	SINGLE LEAF	
1.		00120N		HIN	GES FOR OVERLAP			P.C	02	
2.	$\overline{}$	01701			FINGER CATCHER			P.C	01	
3. 4.		02040 A300		ם גם	STAY ARM TIC 5mm GL BLOCK			M. F M. F	01 SET 08	
<u>4.</u> 5.	_	0365			ALIGNMENT CLEAT			м. F М. F	08	
6.		2314			RAIN HOLE COVER			M. F	04	
			<u> </u>		E.P.D.M. GASKET	LIST		<u> </u>	· ·	
ITEM	l No.	GASKET CODE No.			DESCRIPTION				SINGLE LEAF	
1.		RUB 035			IMPACT GASKET I	NTERNAL			1W + 1H	
2.		RUB 025				RGASKET			1W + 1H	
3.	_	RUB 055			OUTER	RGASKET			1W + 2H	
4.	_	RUB 065				R GASKET			2W + 2H	
5.	_	RUB 015			IMPACT GASKET E				1W + 1H	
6.	•	RUB 010			THEMAL BREAK FILLER	GASKET			2W + 2H	



THERMAL BREAK SIDE HUNG WINDOW INWARD OPENABLE

ECO - 500

			F	PROFILE CUTTING LIS	ST .		
ITEM No.		DESCRIPTION & SECTION SHAPE	PROFILE No.	PROFILE CUTTING ANGLE	CUTTING SIZE	No. OF PIECES	REMARKS
1.		FRAME WIDTH	TA 541	45°	W	01	
2.		(T4) FRAME HEIGHT	TA 541	45°	Н	01	2H1 + (3.14XD/2)
3.	4	SASH WIDTH	TA 524	45°	W - 44	02 04	W - 31 (SINGLE W) W/2 - 18 (DOUBLE W)
	- 1	******					, ,
4.	4	SASH	TA 524	45°	H1 - 23	02	(SINGLE W)
	"	HEIGHT				04	(DOUBLE W)
5.	Ĺ.,	ADORTED	TA 518		H1 - 23	01	(SINGLE W)
		ADOPTER	1A 310		==	01	(DOUBLE W)
6.	H	T SECTION	TA 516		W - 31	01	W - 31
7.	J	CONNECTING ROD	T 2310		1 - H1	01	1H
8.		DROPER WIDTH	T 2281		144	01	W - 31 (SINGLE W)
0.	X	DIOPER WIDTH	1 2201		W	02	W/2 - 18 (DOUBLE W)
9.	Л	GL CLIP WIDTH	T 2283		W - 31	01	W - 31
10.	Л	GL CLIP T4 RADIUS	T 2283		(3.14XD)/2	01	(3.14XD)/2
11.	n	GL CLIP	T 2283			02	W - 134 (SINGLE W)
' ''	Ţ	WIDTH	1 2200		W	04	W/2 - 121 (DOUBLE W)
12.	7/	GL CLIP	T 2282		H -170	02	SINGLE W
'2.	ÿ	HEIGHT	1 2202		11 170	04	DOUBLE W
13.	j	CORNER CLEAT	2261		28.0	02	
'	1	FOR FRAME	2201		27.0	02	MILL FINISH
14.	Ø	CORNER CLEAT	5574		28.0	04	MILL FINISH (SINGLE W)
'		FOR SASH	0074		20.0	08	MILL FINISH (DOUBLE W)
15.		CORNER CLEAT	5278		8.3	04	MILL FINISH (SINGLE W)
13.	<u> </u>	FOR SASH	3210		0.3	08	MILL FINISH (DOUBLE W)
				ACCESSODIES I IS	T.		

ACCESSORIES LIST

ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF
1.	00120N	HINGES FOR OVERLAP	P.C	02	04
2.	01150	UNICA HANDLE	P.C	01	01
3.	04070	KIT FOR HANDLE (OPEN IN)	M. F	01	01
4.	0103	WING CLOSING PLUG	M. F	-	1 SET
5.	02111	FLUSH BOLT FOR COMBINED WING	M. F	-	1 SET
6.	A300	PLASTIC 5mm GL BLOCK	M. F	04	08
7.	0365	CORNER ALIGNMENT CLEAT	M. F	08	12
8.	2314	DRAIN HOLE COVER	M. F	02	03

E.P.D.M. GASKET LIST

ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	RUB 035	IMPACT GASKET INTERNAL	2W + 2H	2W + 4H
2.	RUB 025	CENTER GASKET	2W + 2H	2W + 4H
3.	RUB 055	OUTER GASKET	2W + 2H	2W + 4H
4.	RUB 065	INNER GASKET	2W + 2H	2W + 4H
5.	RUB 015	IMPACT GASKET EXTERNAL	2W + 2H	2W + 4H
6.	RUB 010	THEMAL BREAK FILLER GASKET	2W + 2H	2W + 4H

ECO - 500 **INWARD OPENING HINGED DOOR** RUB035 5574. RUB025 5575 TA 532 RUB015-5278⁻ TA 525 RUB065 **RUB055** W/2 W/2 w T 2283-SINGLE LEAF DOUBLE LEAF RUB010-TA 517-H = H1 + H2 H + 30 (5) 4 6 108 T 2518-**RUB030** RUB070-T 2054 2 3 1 Exterior Interior W/2 - 180 W/2 - 170.1 75.3 W/2 - 170.1 W W + 60 30

THERMAL BREAK INWARD OPENING HINGED DOOR

			-	PROFILE CUTTING	SLIST		
ITEM No.		SCRIPTION & CTION SHAPE	PROFILE No.	PROFILE CUTTING AND	CUTTING	No. OF PIECES	REMARKS
1.		FRAME WIDTH	TA 532	45°	W	01	FOR SINGLE & DOUBLE D
2.		FRAME HEIGHT	TA 532	1 AS SHOWN 1 AS REVERSE	н	02	FOR SINGLE & DOUBLE D
3.	644	SASH	TA 525	45°		01	W - 44 (SINGLE D)
٠.	Щ	WIDTH	17.020			02	W/2 - 24.5(DOUBLE D)
4.	f ir	SASH	TA 525	45°		02	H - 32 (SINGLE D)
	44	HEIGHT	.,,,,,	2 AS SHOWN 2 AS REVERSE		04	H - 32 (DOUBLE D)
5.	44.1	ADOPTER	TA 518			00	(SINGLE D)
٠.	H ^L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				01	H - 32 (DOUBLE D)
6.		MIDRAIL	TA 517			01	W - 189.6 (SINGLE D)
٠.	μ	WIDTH				02	W/2 - 170.1 (DOUBLE D)
7.		BOTTOM RAIL	TA 517			01	W - 189.6 (SINGLE D)
	μı	WIDTH				02	W/2 - 170.1 (DOUBLE D)
8.	للد	BRUSH	T 2518			01	W - 80 (SINGLE D)
	3-1-1	HOLDER				02	W/2 - 54.5 (DOUBLE D)
9.	←	THRESHOULD	T 2054		W - 57	01	W - 57
10.	n	GL BEAD WIDTH	T 2283			04	W - 189.6 (SINGLE D)
10.	Д	FOR SASH	1 2203			08	W/2 - 170.1 (DOUBLE D)
11.	ν)	GL BEAD HEIGHT	T 2282			02	H1 - 195 (SINGLE D)
' '	11	FOR SASH	1 2202			04	H1 - 195 (DOUBLE D)
12.	Ŋ	GL BEAD HEIGHT	T 2282			02	H2 - 181.8 (SINGLE D)
	11	OL BEAD HEIGHT	. 2202			04	H2 - 181.8 (DOUBLE D)
13.	A	CORNER CLEAT	5574		28,5	04	MILL FINISH (SINGLE D)
		FOR FRAME				04	MILL FINISH (DOUBLE D)
14.		CORNER CLEAT	5575		28.0	02	MILL FINISH (SINGLE D)
		FOR SASH				04	MILL FINISH (DOUBLE D)
15.	A	CORNER CLEAT	5278		8.5	02	MILL FINISH (SINGLE D)
	لط	FOR SASH				04	MILL FINISH (DOUBLE D)
16.	1	ARCHITRIVE	T 3109	45°	W + 60	01	(SINGLE D)
	.,					01	(DOUBLE D)
17.	j	ARCHITRIVE	T 3109	45°	H + 30	02	(SINGLE D)
				1 AS SHOWN 1 AS REVERSE		02	(DOUBLE D)
		ACCESSORIE	S LIST		F	P.D.M. C	SASKET LIST

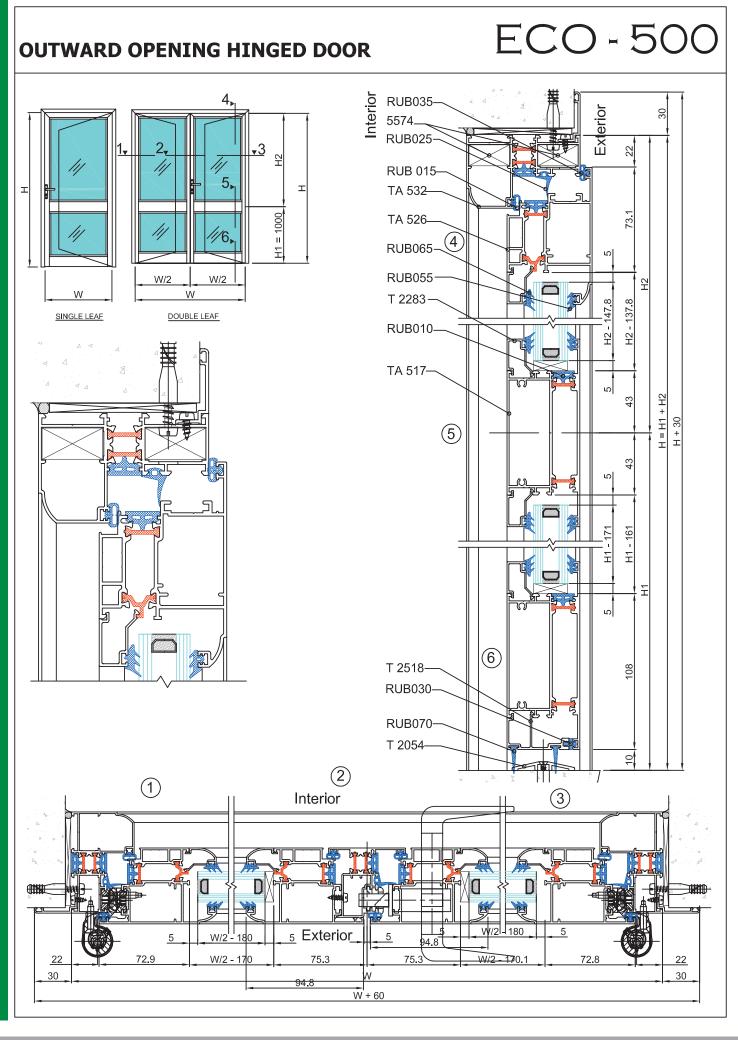
	A	CCESSORIES LIST	•					E.P.D.M. GASKET	LIST	
ITEM No.	ACCESSORY CODE No.	DESCRIPTION	FINISH	SINGLE LEAF	DOUBLE LEAF	ITEM No.	GASKET CODE No.	DESCRIPTION	SINGLE LEAF	DOUBLE LEAF
1.	00598	DOOR HINGES	P.C	02	04	1.	RUB 035	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H
2.	2472	DOOR LIVER HANDLE	P.C	01	01	2.	RUB 035	IMPACT GASKET EXTERNAL	1W + 2H	1W + 4H
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 010	THERMAL BARRIER GASKET	2W + 4H	2W + 8H
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H
5.	01314	STRICKER LATCH		-	01	5.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H
6.	2144	BRASS BUSH		-	01	6.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H
7.	91135XC	DOMUS LOCK SET		01	01	7.	RUB 070	THRESHOULD GASKET	2W	2W
8.	16075K	DOMUS CYLINDER 74mm		01	01				·	
9.	90185X	DOMUS STRIKING PLATE		01	01					

INWARD OPENING HINGED DOOR ECO - 500 **WITH TOP FIXLITE** T3109 НЗ Exterior TA 542-5574 **RUB035 7**_▼ T 2253 5574 -3, TA 532 RUB015-5278 RUB065-TA 525 **RUB055** W SINGLE LEAF DOUBLE LEAF T 2283 H = H1 + H2 + H3 H2 - 137.8 RUB010-H + 30TA 517-3 Ξ 4 T 2518-RUB030 RUB070 T 2054 (5) 6 7 Exterior 5 Interior

W + 60

THERMAL BREAK **INWARD OPENING HINGED DOOR**

				PR	OFILE	CUTT	ING	LI	ST					
ITEM No.		SCRIPTION & TION SHAPE	PROFILE No		PROFILE	CUTTING	ANGI	LE	СП	TING SIZE	No. OF PIECES		REMARKS	
1.		FRAME WIDTH	TA 532			45°	\geq		v	٧	01	FOR S	SINGLE & DOU	BLE D
2.		FRAME HEIGHT	TA 532	1 AS 1 AS F	SHOWN	45°			ŀ	+	02	FOR S	SINGLE & DOU	IBLE D
3.	Б гг	SASH	TA 525			45°					01	W	- 44 (SINGLE	D)
	缸	WIDTH	171020								02	W/2 - :	24.5(DOUBLE	D)
4.	\$tt	SASH	TA 525			45°					02	Н	- 32 (SINGLE	D)
	44-4	HEIGHT	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 AS	SHOWN L		_				04	Н-	- 32 (DOUBLE	D)
5.	HLI	ADOPTER	TA 518				1				00		(SINGLE	,
	門										01		- 32 (DOUBLE	
6.		MIDRAIL	TA 517				٦ .				01		89.6 (SINGLE	•
	<u> </u>	WIDTH									02		0.1 (DOUBLE	
7.		BOTTOM RAIL WIDTH	TA 517]				01		89.6 (SINGLE 0.1 (DOUBLE	
		BRUSH	T 0510								01	W	- 80 (SINGLE	D)
8.	للم	HOLDER	T 2518]				02		4.5 (DOUBLE	
9.	<u>~</u>	THRESHOULD	T 2054]		w-	- 57	01		W - 57	
10.	ът.	GL BEAD WIDTH	T 2283				,				04	W - 1	89.6 (SINGLE	D)
10.	Л	FOR SASH	1 2203				J				08	W/2 - 17	0.1 (DOUBLE	D)
11	Ŋ	GL BEAD HEIGHT	T 2282								02		195 (SINGLE	,
	7.1	FOR SASH	1 2202								04	H1 -	195 (DOUBLE	D)
12.	Ŋ	GL BEAD HEIGHT	T 2282				7				02		81.8 (SINGLE	•
	7#										04	H2 - 18	1.8 (DOUBLE	D)
13.	Я	CORNER CLEAT	5574		_		7		28	3.5	04		NISH (SINGLE	
		FOR FRAME					_				04	MILL FINISH (DOUBLE D)		
14.	1	CORNER CLEAT FOR SASH	5575				7		28	3.0	02	MILL FINISH (SINGLE D) MILL FINISH (DOUBLE D)		<u> </u>
	ر لما										04			
15.	A	CORNER CLEAT FOR SASH	5278						8	3.5	02		NISH (SINGLE	•
		101(0/1011				450					04	MILL FIN	ISH (DOUBLE	<u>'</u>
16.	j	ARCHITRIVE	T 3109			45°	\geq		w ·	+ 60	01		(SINGLE	•
						45°					02		(SINGLE	
17.	J	ARCHITRIVE	T 3109	1 AS	SHOWN		\geq		H·	+ 30	02		(DOUBLE	
18.	-	FRAME	TA 543	TAGT		45°			v	٧	01			
19.		FRAME	TA 543				\		(3.14	XD)/2	01		(3.14XD)/2	2
		(T4) ARCH					7		<u> </u>				. , ,	
20.	Л	GL BEAD WIDTH FOR SASH	T 2283			45°	_		w-	- 57	01		W - 57	
21.	Л	GL BEAD WIDTH FOR SASH	T 2283				7		(3.14	XD)/2	01		(3.14XD)/2	2
22.	j	ARCHITRIVE	T 3109				7		(3.14	XD)/2	01		(3.14XD)/2	2
23.		CONNECTOR	T 2253]		v	V	01			
		ACCESSORIE	S LIST						ı	F	P.D.M. G	ASKET	LIST	
ITEM	ACCESSO	RY				DOUBLE			ASKET		DESCRIPTIO		SINGLE	DOUBLE
No 1	0059	INO.	R HINGES	P. C	LEAF 02	LEAF 04	No.	_	DE No. B 035	IN ALD A	CT GASKET IN		LEAF 1W + 2H	LEAF
2.	247			P. C	02	04	1. 2.		B 035		CT GASKET EX		1W + 2H	1W + 4H 1W + 4H
3.	0211		JSH BOLT	M. F	-	2 SET	3.		B 010		MAL BARRIER		2W + 4H	2W + 8H
4.	0036	5 ALIGNMENT	CORNER		01	04	4.	RUI	B 025		CENTER	GASKET	1W + 2H	1W + 3H
5.	0131		ER LATCH		-	01	5.	_	B 055	INTER	NAL GLAZING	GASKET	6W + 2H	4W + 8H
6.	214		ASS BUSH		-	01	6.	_	B 065		NAL GLAZING		6W + 2H	4W + 8H
7.	91135X		OCK SET		01 01	01 01	7.	RUI	B 070		THRESHOULD	GASKET	2W	2W
8. 9.	90185				01	01								
٥.	90100.	V DOMOS STRIKIN	10 FLATE		I 01	U U I	<u> </u>			<u> </u>				



THERMAL BREAK OUTWARD OPENING HINGED DOOR

	PROFILE CUTTING LIST												
ITEM No.		SCRIPTION & CTION SHAPE	PROFILE No.	PROFILE CUTTING		CUTTING SIZE	No. OF PIECES	REMARKS					
1.		FRAME WIDTH	TA 532	45°	_	W	01	FOR SINGLE & DOUBLE D					
2.		FRAME HEIGHT	TA 532	1 AS SHOWN	_	Н	02	FOR SINGLE & DOUBLE D					
3.	f v d	SASH	TA 526	45°	,		01	W - 44 (SINGLE D)					
٥.	TIP .	WIDTH	17 320		_		02	W/2 - 24.5(DOUBLE D)					
4.	F+4	SASH	TA 526	45°			02	H - 32 (SINGLE D)					
٦.	THE STATE OF THE S	HEIGHT	17.020	2 AS SHOWN 2 AS REVERSE	_		04	H - 32 (DOUBLE D)					
5.	[4,	ADOPTER	TA 518		,		00	(SINGLE D)					
0.	档	ABOI TER	17(010]		01	H - 32 (DOUBLE D)					
6.	ŀm	MIDRAIL	TA 517		,		01	W - 189.6 (SINGLE D)					
0.		WIDTH	17.017]		02	W/2 - 170.1 (DOUBLE D)					
7.	ŀм	BOTTOM RAIL	TA 517		,		01	W - 189.6 (SINGLE D)					
′ ·		WIDTH	17.017		J		02	W/2 - 170.1 (DOUBLE D)					
8.	et	BRUSH	T 2518		,		01	W - 80 (SINGLE D)					
0.	الملمة	HOLDER	1 2310]		02	W/2 - 54.5 (DOUBLE D)					
9.	•	THRESHOULD	T 2054]	W - 57	01	W - 57					
10.		GL BEAD WIDTH	T 2283		,		04	W - 189.6 (SINGLE D)					
10.	Д	FOR SASH	1 2203		J		08	W/2 - 170.1 (DOUBLE D)					
11.	2/	GL BEAD HEIGHT	T 2282		,		02	H1 - 195 (SINGLE D)					
' '	Ŋ	FOR SASH	1 2202]		04	H1 - 195 (DOUBLE D)					
12.	2/	GL BEAD HEIGHT	T 2282		,		02	H2 - 181.8 (SINGLE D)					
12.	V)	GL BEAD HEIGHT	1 2202		J		04	H2 - 181.8 (DOUBLE D)					
13.	1	CORNER CLEAT	5574		,	28.5	04	MILL FINISH (SINGLE D)					
13.		FOR FRAME	3374		J	20.5	04	MILL FINISH (DOUBLE D)					
14.	1	CORNER CLEAT	5575		,	28,0	02	MILL FINISH (SINGLE D)					
'*.		FOR SASH	3373		J	20.0	04	MILL FINISH (DOUBLE D)					
15.	۵	CORNER CLEAT	5278		,	8.5	02	MILL FINISH (SINGLE D)					
15.	ک	FOR SASH	3270)	0.0	04	MILL FINISH (DOUBLE D)					
16.	1	ARCHITRIVE	T 3109	45°			01	(SINGLE D)					
'0.	لہ	ANORITRIVE	1 0109		_	W + 60	01	(DOUBLE D)					
17.	1	ARCHITRIVE	T 3109	45°		H + 30	02	(SINGLE D)					
''`	٠,	ARCHITRIVE	1 3103	1 AS SHOWN 1 AS REVERSE	_	11 ' 30	02	(DOUBLE D)					
	ACCESSORIES LIST E.P.D.M. GASKET LIST												

	Α	CCESSORIES LIST	Т			E.P.D.M. GASKET LIST							
ITEM No.	ACCESSORY CODE No.		FINISH	SINGLE LEAF	DOUBLE LEAF	ı	GASKET CODE No.	I DESCRIPTION	SINGLE LEAF	DOUBLE LEAF			
1.	00598	DOOR HINGES	P. C	02	04	1.	RUB 035	IMPACT GASKET INTERNAL	1W + 2H	1W + 4H			
2.	2472	DOOR LIVER HANDLE	P. C	01	01	2.	RUB 035	IMPACT GASKET EXTERNAL	1W + 2H	1W + 4H			
3.	02111	FLUSH BOLT	M. F	-	2 SET	3.	RUB 010	THERMAL BARRIER GASKET	2W + 4H	2W + 8H			
4.	00365	ALIGNMENT CORNER		01	04	4.	RUB 025	CENTER GASKET	1W + 2H	1W + 3H			
5.	01314	STRICKER LATCH		-	01	5.	RUB 055	INTERNAL GLAZING GASKET	4W + 2H	4W + 8H			
6.	2144	BRASS BUSH		-	01	6.	RUB 065	EXTERNAL GLAZING GASKET	4W + 2H	4W + 8H			
7.	91135XC	DOMUS LOCK SET		01	01	7.	RUB 070	THRESHOULD GASKET	2W	2W			
8.	16075K	DOMUS CYLINDER 74mm		01	01								
9.	90185X	DOMUS STRIKING PLATE		01	01								

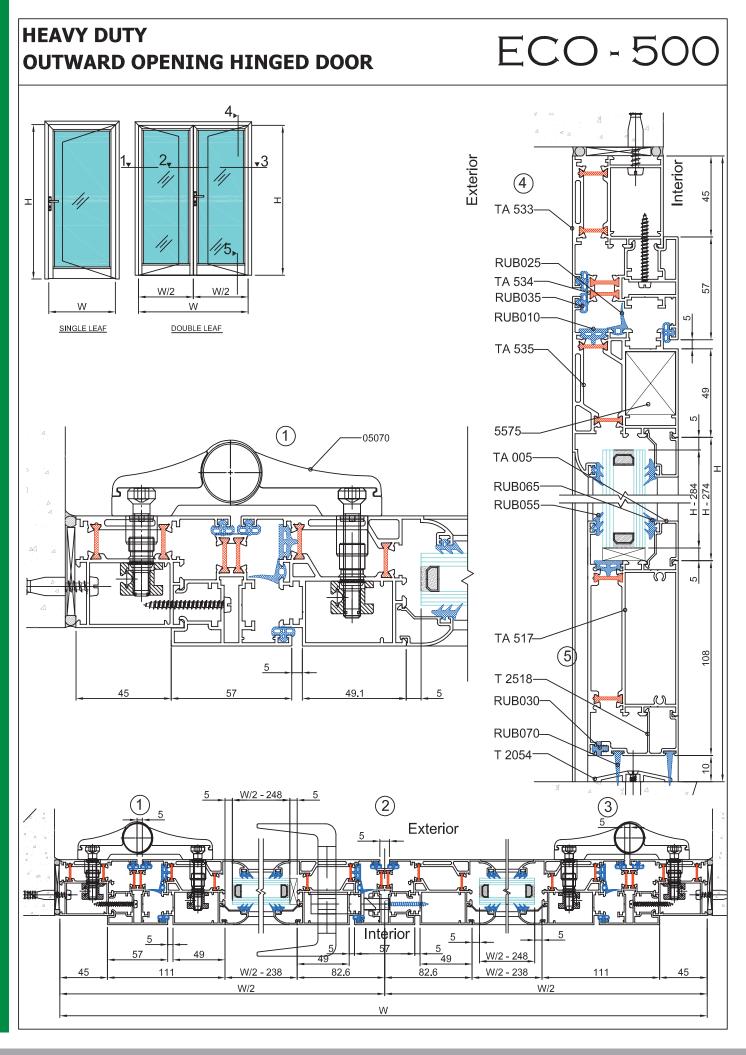
OUTWARD OPENING HINGED DOOR ECO - 500 **WITH TOP FIXLITE** T3109 xterior Interior TA 542 5574 **RUB035** 7, 5, T 2253 5574 3, TA 532 RUB015 5278 RUB065 TA 525 RUB055 W T 2283-SINGLE LEAF DOUBLE LEAF H2 - 147.8 H = H1 + H2 + H3H2 - 137.8 RUB010-TA 517-3 - 161 Ξ 4 Ξ T 2518-RUB030-RUB070-T 2054 (5) 7 6 Interior Exterior

W W + 60 <u>22</u> 30

W/2 - 170

THERMAL BREAK OUTWARD OPENING HINGED DOOR

	PROFILE CUTTING LIST														
ITEM No.				Ξ ,		CUTTING				TING SIZE	No. OF PIECES		REMARKS		
1.		FRAME WIDTH	TA 532). 		45°			V		01	FOR S	SINGLE & DOU	BLE D	
2.		FRAME HEIGHT	TA 532	1 AS	s shown	45°			ŀ	+	02	FOR S	SINGLE & DOU	BLE D	
3.	[III	SASH	TA 526		45°						01	l	- 44 (SINGLE	, i	
		WIDTH			45°						02		24.5(DOUBLE	,	
4.	11	SASH HEIGHT	TA 526	2 A	2 AS SHOWN 45°					02		- 32 (SINGLE - 32 (DOUBLE	· .		
	F			2 AS I	2 AS REVERSE					04	'''	(SINGLE	,		
5.	性	ADOPTER	TA 518							01	Н-	- 32 (DOUBLE			
6.	ŀπ	MIDRAIL	TA 517				1				01 W - 189.6 (SINGLE D)			,	
		WIDTH	.,,,,,,				J				02				
7.	įπ	BOTTOM RAIL WIDTH	TA 517]				01	W - 189.6 (SINGLE D)			
	<u> </u>	BRUSH									02	02 W/2 - 170.1 (DOUBLE D)			
8.	LLe	HOLDER	T 2518]				02	,			
9.	•	THRESHOULD	T 2054]		w.	- 57	01		W - 57		
10.	7 7	GL BEAD WIDTH	T 2283				1				04	ı	89.6 (SINGLE	· .	
	IJ,	FOR SASH	1 2200				J				08	W/2 - 17	0.1 (DOUBLE	D)	
11.	V) G	L BEAD HEIGHT	T 2282								02	l	195 (SINGLE D)		
		FOR SASH									04 02		H1 - 195 (DOUBLE D)		
12.	ù e	L BEAD HEIGHT	T 2282								04		H2 - 181.8 (SINGLE D) H2 - 181.8 (DOUBLE D)		
10	1	CORNER CLEAT	5574						0.0		04	MILL FINISH (SINGLE D)			
13.		FOR FRAME	5574						28	28.5		MILL FINISH (DOUBLE D)			
14.	1	CORNER CLEAT	5575						28	3.0	02		NISH (SINGLE	,	
		FOR SASH					,				04		MILL FINISH (DOUBLE D) MILL FINISH (SINGLE D)		
15.	<u>{</u>	CORNER CLEAT FOR SASH	5278]		8	3.5	02		ISH (SINGLE I	,	
	<u> </u>					45°				04		(SINGLE D)			
16.	J	ARCHITRIVE	T 3109				7		W + 60 01		(DOUBLE D)				
17.	1	ARCHITRIVE	T 3109			45°			н	+ 30	02		(SINGLE		
	<u>.</u>	,		4 00 0	S SHOWN L	4=0			11.30		02	(DOUBLE D)		D)	
18.		FRAME	TA 543			45°			١	N	01				
19.		FRAME (T4) ARCH	TA 543				7		(3.14	XD)/2	01		(3.14XD)/2	2	
20.	,	GL BEAD WIDTH FOR SASH	T 2283			45°	_		w ·	- 57	01		W - 57		
21.	Л	GL BEAD WIDTH FOR SASH	T 2283				7		(3.14	XD)/2	01		(3.14XD)/2	2	
22.	j	ARCHITRIVE	T 3109				7		(3.14	XD)/2	01		(3.14XD)/2	2	
23.	d	CONNECTOR	T 2253]		v	V	02				
	Α	CCESSORIE	S LIST							Е	.P.D.M. G	ASKET	LIST		
ITEM	ACCESSORY CODE No	DESCRIPT		FINISH		DOUBLE			ASKET		DESCRIPTIO		SINGLE	DOUBLE	
No 1	00598		R HINGES	P. C	LEAF 02	LEAF 04	No 1	_	DE No. 3 035	IMPA	CT GASKET IN		LEAF 1W + 2H	LEAF 1W + 4H	
2.	2472	DOOR LIVER		P.C	01	01	2.	RUI	3 035		CT GASKET EX		1W + 2H	1W + 4H	
3.	02111		ISH BOLT	M. F	-	2 SET	3.		B 010	THER	MAL BARRIER		2W + 4H	2W + 8H	
4. 5.	00365 01314	ALIGNMENT			01	04 01	4.	_	3 025		CENTER		1W + 2H	1W + 3H	
6.	2144		SS BUSH		-	01	5. 6.	_	3 055 3 065		NAL GLAZING		6W + 2H 6W + 2H	4W + 8H 4W + 8H	
7.	91135XC	DOMUS L			01	01	7.	_	B 070		NAL GLAZING THRESHOULD		2W	2W	
8.	16075K	DOMUS CYLIND			01	01						JAUNE I	2 * *		
9.	90185X	DOMUS STRIKIN	IG PLATE		01	01									



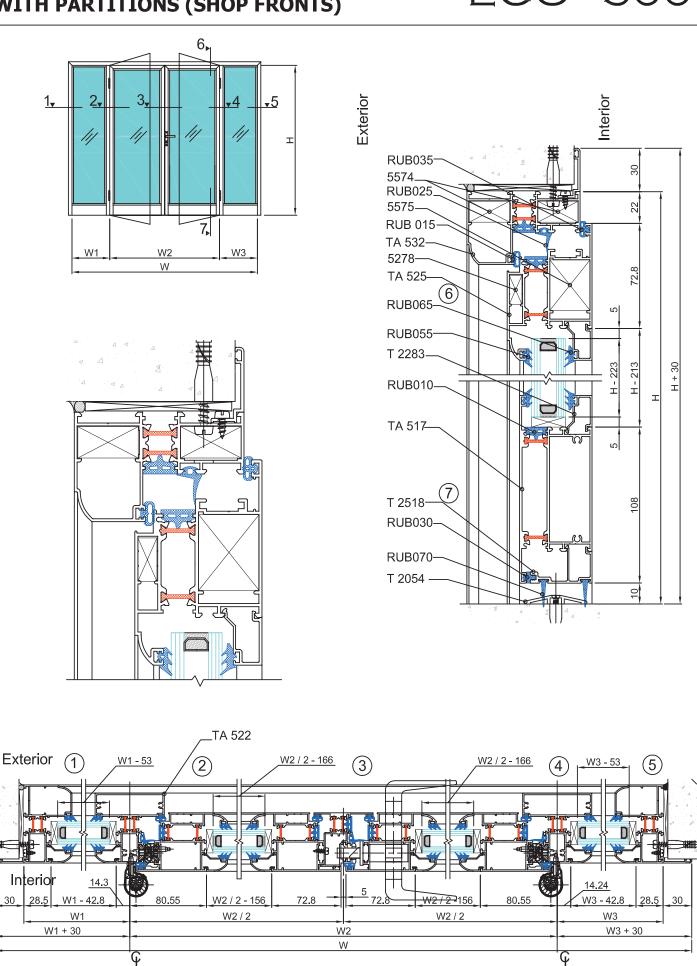
THERMAL BREAK HEAVY DUTY **OUTWARD OPENING HINGED DOOR**

ECO - 500

	PROFILE CUTTING LIST													
ITEM No.		RIPTION & ON SHAPE	PROFILE No		PROFILE	CUTTING	ANG	LE	CUT	TING SIZE	No. OF PIECES		REMARKS	
1.	Ш	FRAME WIDTH	TA 533			45°	_		V	٧	01	FOR S	SINGLE & DOU	JBLE D
2.	Ш	FRAME HEIGHT	TA 533	1 A 1 AS	1 AS SHOWN 1 AS REVERSE					+	02	H, FOR S	SINGLE & DOL	JBLE D
3.	ß.	PTER FOR FOR FRAME WIDTH	TA 534		45°				W	- 90	01	FOR S	SINGLE & DOL	JBLE D
4.		PTER FOR FOR FRAME HEIGHT	TA 534	1 A	1 AS SHOWN 1 AS REVERSE			Н	- 45	02	FOR S	H - 45 SINGLE & DOU	JBLE D	
_	Sau.	SASH	TA 505	1,710	THE VENTOR	45°					01	w-	- 156 (SINGLE	D)
5.	f ∷	WIDTH	TA 535				7				02		30.5 (DOUBLE	
	<u>.</u>	SASH	TA 505		45°						02		SINGLE	: D
6.	β¤	HEIGHT	TA 535	2 A	S SHOWN		7		Н	- 88	04		DOUBLE	
	Ī	TA 504	27.0	1 AO INLVERSE						00		SINGLE	: D	
7.	HE4	ADOPTER	TA 534				J		Н	- 88	01	DOUBLE D		
		E .									01	W - 312 (SINGLE D)		
8.	BOTTOM RAIL TA 517]		-			W/2 - 236.5 (DOUBLE D)		
				_						02	W - 312 (SINGLE D)			
9.	BRUSH T 2518										01		•	,
		HOLDER									02	W/2 - 23	236.5 (DOUBLE D)	
10.	-	THRESHOULD	T 2054]		W-	158	01		W - 158	
11		GL BEAD WIDTH	T 2202				_				04	W - 312 (SINGLE D)		D)
11.	Ţ,	FOR SASH	T 2283								08	W/2 - 23	36.5 (DOUBLE	D)
40	s Gl	L BEAD HEIGHT	T 0000								02	Н-	- 318 (SINGLE	D)
12.	V) GI	FOR SASH	T 2282]		H -	318	04	H - 318 (DOUBLE D)		
40	1	CORNER CLEAT									04	MILL FINISH (SINGLE D)		
13.		FOR SASH	5575							3.5	06	MILL FINISH (DOUBLE D)		
	Αı	CCESSORIE	S LIST							F	.P.D.M. G	ASKFI	LIST	
ITEM	ACCESSORY				SINGLE	DOUBLE	ITEM	G/	ASKET				SINGLE	DOUBLE
No.	CODE No.	DESCRIPT	ION	FINISH	LEAF	LEAF	No.		DE No.		DESCRIPTIO	IN	LEAF	LEAF
1.	2472	DOOR LIVER		P.C	01	01	1.	_	3 035		CT GASKET IN		3W + 6H	3W + 9H
2.	02111		ISH BOLT	M.F	-	2 SET	2.		3 010	THER	MAL BARRIER	GASKET	2W + 2H	2W + 3H
3.	00365	ALIGNMENT		M.F	01	04	3.	_	3 025		CENTER	GASKET	1W + 2H	1W + 3H
4.	01314		RLATCH	M.F	-	01	4.	_	3 055		NAL GLAZING		2W + 2H	2W + 4H
5.	2144	<u> </u>	SS BUSH	M.F	- 04	01	5.	_	3 065		NAL GLAZING		2W + 2H	2W + 4H
6.	91135XC	DOMUS L		M.F	01	01	6.	_	3 070	l .	THRESHOULD		2W	2W
7.	16075K	DOMUS CYLIND		M.F	01	01	7.	RUE	3 030	THE	ERMAL BREAK	GASKET	1W	1W
8.	90185X	DOMUS STRIKIN		M.F	01	01		-						
9.	03239 03240	SPACER FOR DOM		P.C P.C	04	08 08		-						
10.	03240	SPACER FOR DOM	-	P. C	04	Uδ		-						
11.	05070	DOMINO DOO HP C/C 99r		P.C	02	04								

PROFILE CUTTING LIST

INWARD OPENING HINGED DOOR WITH PARTITIONS (SHOP FRONTS)



THERMAL BREAK INWARD OPENING HINGED DOOR

	PROFILE CUTTING LIST												
ITEM No.		SCRIPTION & CTION SHAPE	PROFILE No.		PROFILE CUTTING				TING SIZE	No. OF PIECES	REI	MARKS	
1.		FRAME WIDTH	TA 532		45°	_		V	/	01		DOOR	
2.		FRAME HEIGHT	TA 532	1 AS	s shown Reverse	7		Н	I	02		DOOR	
3.	缸	SASH WIDTH	TA 525		45°	7		W2/2	- 10	04		W2/2 - 10	
4.	缸	SASH HEIGHT	TA 525	2 AS 2 AS R	s shown Reverse			Н-	- 32 04			H - 32	
5.		ADOPTER	TA 518					Н-	32	01		H - 32	
6.		MULLION	TA 522]		H - 2	28.5	02		H - 28.5	
7.	Ħ	BOTTOM RAIL WIDTH	TA 517]		W2/2	2 - 156	02		W2/2 -156	
8.	I	BOTTOM RAIL WIDTH	TA 517						42.75 42.75	02		W1 - 42.75 W3 - 42.75	
9.	ىلە	BRUSH HOLDER FOR SASH	T 2518]		W2/2	2 - 156	02		W2/2 -156	
10.	на الم	BRUSH DLDER FOR FIXLITE	T 2518]		W1 - W3 -	42.75 42.75	02		W1 - 42.75 W3 - 42.75	
11.	~	THRESHOULD	T 2054					W2/2	- 28.5	01	V	V2/2 - 28 . 5	
12.	Л	GL BEAD WIDTH FOR SASH	T 2283					W2/2	2 - 156	04		W2/2 -156	
13.	Л	GL BEAD WIDTH FOR FIXLITE	T 2283]		W1 - 42.75 W3 - 42.75		04	W1 - 42.75 W3 - 42.75		
14.	V	GL BEAD HEIGHT FOR SASH	T 2282			_		H - :	223	04		H - 223	
15.	V	GL BEAD HEIGHT FOR FIXLITE	T 2282]		H - :	257	04		H - 257	
16.		CORNER CLEAT FOR FRAME	5574					28.5 04		04	MILL FINISH		
17.		CORNER CLEAT FOR SASH	5575					28.0		04	MILL FINISH		
18.	-	CORNER CLEAT FOR SASH	2496					8.	.5	04	MILL FINISH		
19.	j	ARCHITRIVE	T 3109		45°	7		W +	÷ 60	01			
20.	j	ARCHITRIVE	T 3109	1 AS	s shown Reverse	7		Н+	+ 30	02			
		ACCESSORIE	S LIST						Е	P.D.M. G	ASKET LIS	ST	
ITEM No.	ACCESS(CODE	I DECODID	ΓΙΟΝ F	INISH	QIY	ITEM No.	CO	ASKET DE No.		DESCRIP		QTY	
1.	0059			P.C	04			035		PACT GASKET		1W2 + 4H	
2.	24	72 DOOR LIVER	HANDLE	P.C	01	2.	RUE	035	IMF	PACT GASKET	EXTERNAL	1W + 2H	
3.	021			M. F	2 SET	3.	RUE	010	THE	RMAL BARRIE	R GASKET	1W + 9H	
4.	0030			M. F	04	4.	RUE	025		CENTE	R GASKET	1W + 2H	
5.	013	14 STRICKE	R LATCH	M. F	01	5.	RUE	055	INT	ERNAL GLAZIN		2W + 8H	
6.	21			M. F	01	6.	RUE	065	EXT	ERNAL GLAZIN	G GASKET	2W + 8H	
7.	91135×			M. F	01	7.	RUE	070		THRESHOUL	D GASKET	W2/2 + 2H	
8.	16075			M. F	01								
9.	90185	X DOMUS STRIKIN	IG PLATE	M. F	01								

OUTWARD OPENING HINGED DOOR ECO - 500 WITH PARTITIONS (SHOP FRONTS) Interior Exterior RUB035-RUB025 TA 532 RUB010-RUB015-22 W2 W3 W1 W (6) TA 526-RUB065 RUB055 T 2283 6 H - 213 **RUB010** TA 517-(7)T 2309 108 **RUB030**-RUB070 T 2054 9 W2/2 - 166 TA 522 Interior (3) Exterior W2/2 W1 W3 W1 + 30 W3 + 30

THERMAL BREAK OUTWARD OPENING HINGED DOOR

16075K DOMUS CYLINDER 74mm M. F

DOMUS STRIKING PLATE M. F

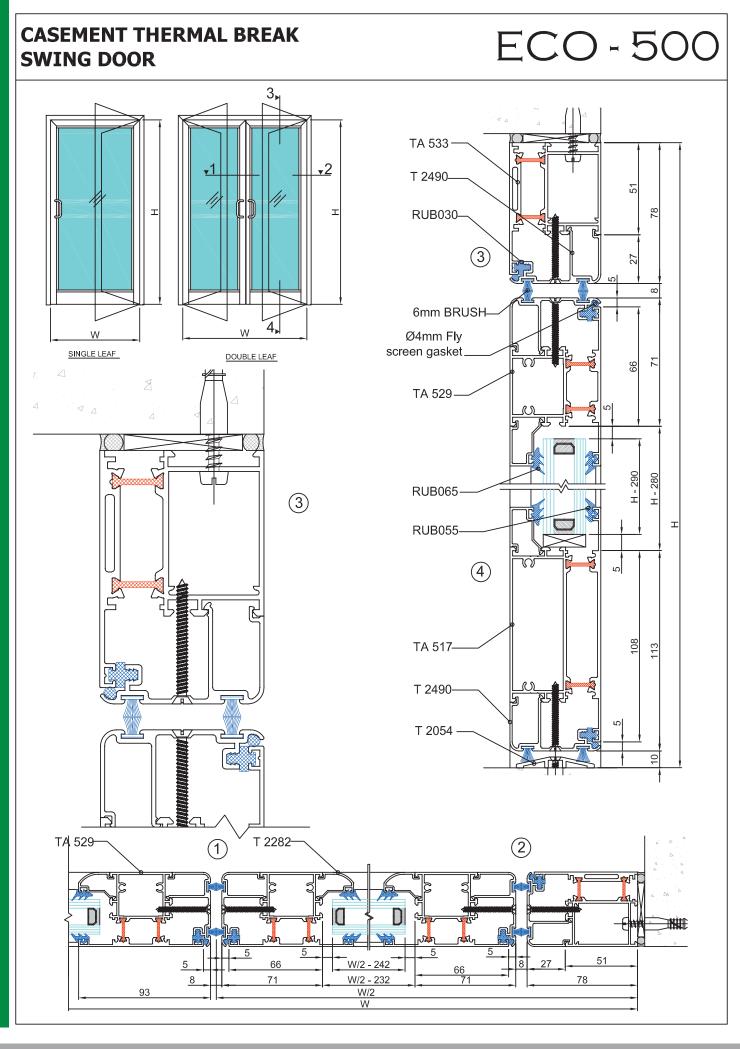
8.

ECO - 500

	PROFILE CUTTING LIST											
ITEM No.		RIPTION & ON SHAPE	PROFILE No.		PROFILE CUTTING			CUT	TING SIZE	No. OF PIECES	REI	MARKS
1.		FRAME WIDTH	TA 532		45°	7		W	I	01		DOOR
2.		FRAME HEIGHT	TA 532	1 AS 1 AS R	45° s shown	7		Н		02		DOOR
3.	[#	SASH WIDTH	TA 526		45°	7		W2/2	- 10	04		W2/2 - 10
4.	土	SASH HEIGHT	TA 526	2 AS 2 AS R	45° s shown REVERSE			Н-	32	04		H - 32
5.	<u> </u>	ADOPTER	TA 518					Н-	32	01		H - 32
6.		MULLION	TA 522					H - 2	28.5	02		H - 28.5
7.	Щ	BOTTOM RAIL WIDTH	TA 517					W2/2	? - 156	02		W2/2 -156
8.	İ	BOTTOM RAIL WIDTH	TA 517						42.75 42.75	02		W1 - 42.75 W3 - 42.75
9.	ног	BRUSH DER FOR SASH	T 2518					W2/2	? - 156	02		W2/2 -156
10.	HOLDE	BRUSH ER FOR FIXLITE	T 2518						42.75 42.75	02		W1 - 42.75 W3 - 42.75
11.	{	THRESHOULD	T 2054					W2/2 - 28.5 01		W2/2 - 28.5		
12.	ù ,	GL BEAD WIDTH FOR SASH	T 2283					W2/2 - 156		04	W2/2 -156	
13.	'n (GL BEAD WIDTH FOR FIXLITE	T 2283					W1 - 42.75 W3 - 42.75		04		W1 - 42.75 W3 - 42.75
14.)) GI	L BEAD HEIGHT FOR SASH	T 2282					H - :	223	04		H - 223
15.)) GI	L BEAD HEIGHT FOR FIXLITE	T 2282					H - 257		04	H - 257	
16.		FOR FRAME	5574					28.	.5	04	N	MILL FINISH
17.		CORNER CLEAT FOR SASH	5575					28.0		04	MILL FINISH	
18.		CORNER CLEAT FOR SASH	2496					8.	.5	04	N	MILL FINISH
19.	j	ARCHITRIVE	T 3109		45°	7		W +	- 60	01		
20.	j	ARCHITRIVE	T 3109	1 AS 1 AS R	45°	7		H +	- 30	02		
	A	CCESSORIE	S LIST						Е	P.D.M. G	ASKET LIS	ST
ITEM No.	ACCESSORY CODE No.	DESCRIPT	TON F	INISH	QIY	ITEM No.	СО	ASKET DE No.		DESCRIP	TION	QTY
1.	00598			P.C	04			3 035		PACT GASKET		1W2 + 4H
2.	2472	DOOR LIVER		P.C	01	$\overline{}$		3 035		PACT GASKET		1W + 2H
3.	02111 00365	FLU ALIGNMENT		M. F M. F	2 SET 04	3.		3 010	ГHЕ	RMAL BARRIE		1W + 9H
5.	00365			M. F	04	4. 5.		3 025 3 055	16177		R GASKET	1W + 2H 2W + 8H
6.	2144			M. F	01	_	_	3 065		<u>ERNAL GLAZIN</u> ERNAL GLAZIN		2W + 8H
7.	91135XC	DOMUS L		M. F	01	_	_	3 070		THRESHOUL		W2/2 + 2H
8	16075K	DOMUS CYLIND		M. F	01		01	- 0.0		THINESHOUL	L GAGNET	**** :

01

01

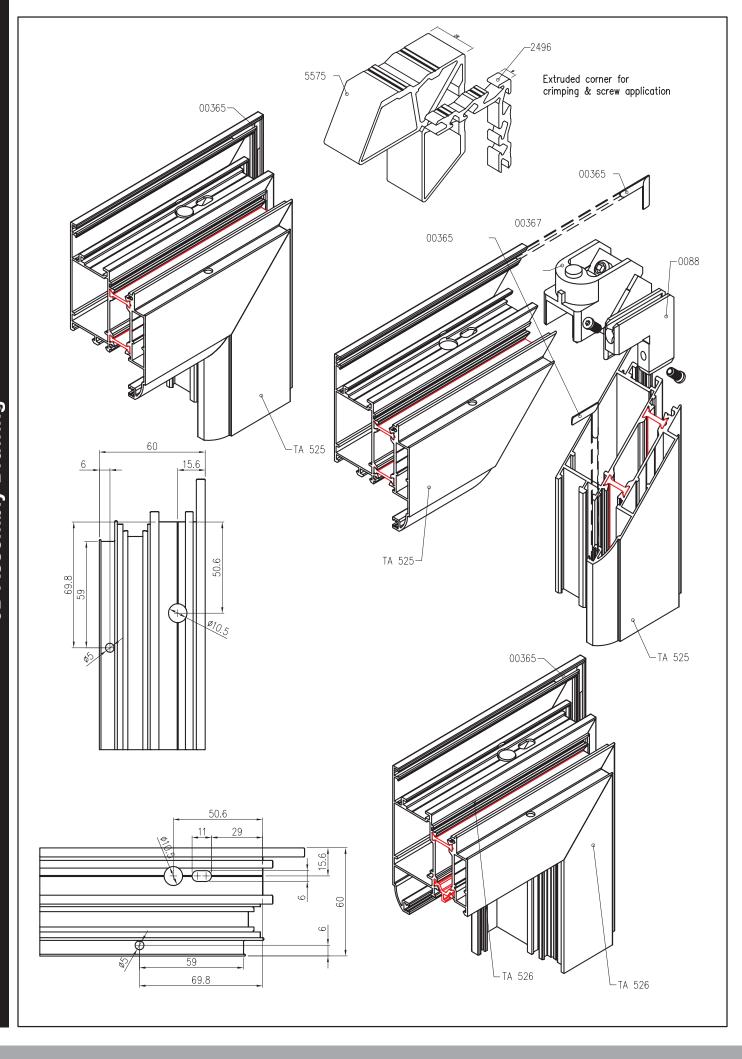


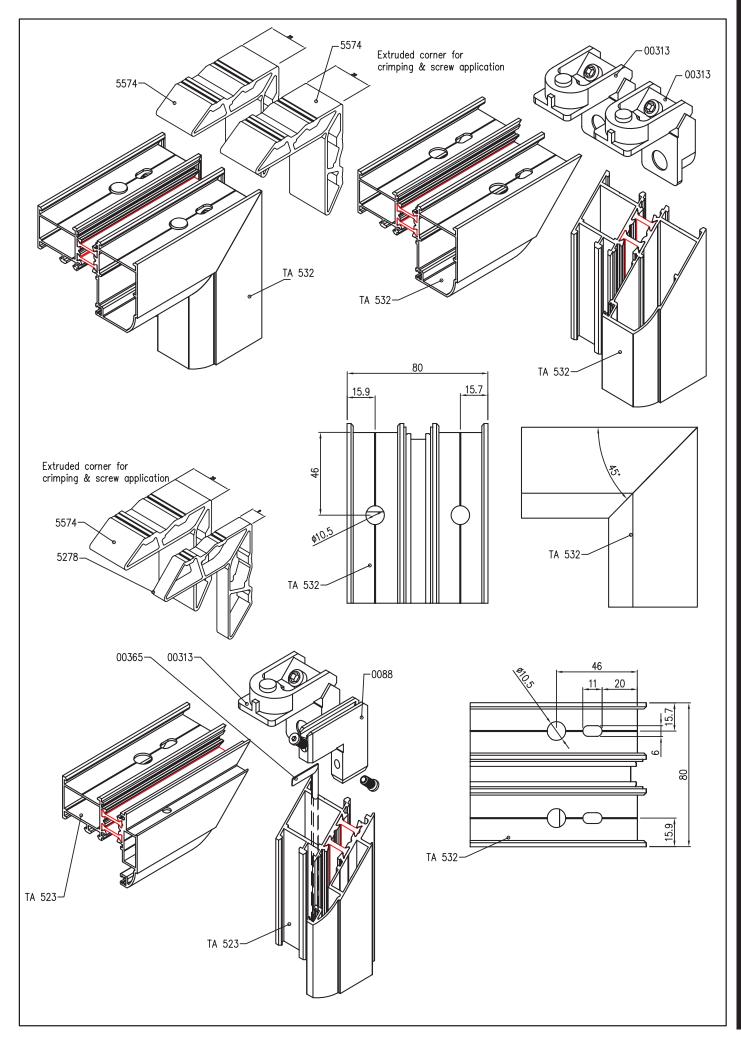
THERMAL BREAK INWARD OPENING HINGED DOOR

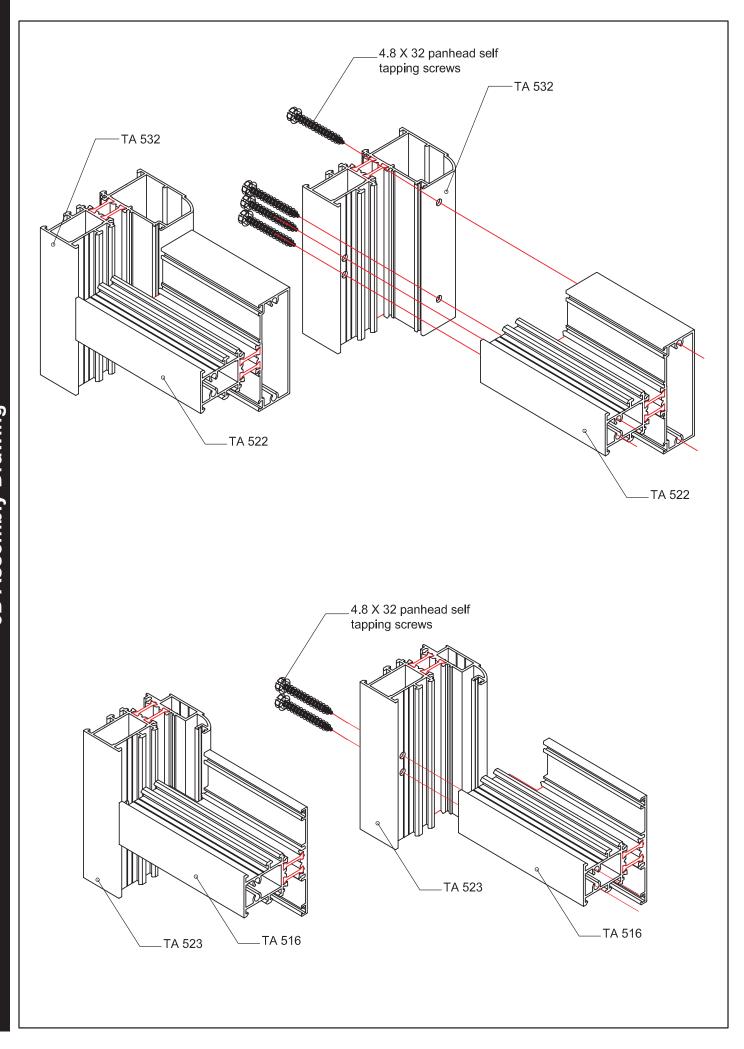
ECO - 500

PROFILE CUTTING LIST														
ITEM No.	DESCR SECTIO	PROFILE No.		PROFILE CUTTING			LE	CUT	TING SIZE	No. OF PIECES	REMARKS			
1.		FRAME WIDTH	TA 533			45°	_		V	V	01	FOR SINGLE & DOUBLE D		
2.		FRAME HEIGHT			S SHOWN REVERSE	45°	_		H	I	02	FOR SINGLE & DOUBLE D		
3.	Few.	TA 529		45°						01	W - 182 (SINGLE D)			
"		1A 329							•	02	W/2 - 100 (DOUBLE D)			
4.	Ferri	SASH	TA 529		45°				11, 400	100	02	H - 106 (SINGLE D)		
"	HEIGHT		1 A 529	2 AS I	2 AS SHOWN 2 AS REVERSE				H -106	106	04	H - 106 (DOUBLE D)		
5.	ŀπ	BOTTOM RAIL	TA 517					Î	w	J	01	W - 314 (SINGLE D)		
".	BOTTOM RAIL WIDTH		IASII								02	W/2 - 232 (DOUBLE D)		
6.	ADOPTER FOR FRAME WIDTH		T 2490		45°				W -	92	01	CLIP WITH	TH FRAME BEFORE CUTTING	
7.	ADOPTER FOR FRAME HEIGHT		T 2490		45°				Н-	H - 46 02		CLIP WITH FRAME BEFORE CUTTING		
8.	e 1	ADOPTER FOR	T 2490	45°			_	W/2		02	W - 172 (SINGLE D)		D)	
".	SASH WIDTH		1 2430							1/2	04	W/2 - 90 (DOUBLE D)		
9.	ADOPTER FOR		T 2490		45°				11.00	00	02	SINGLE D		
".	لقسلما	1 2100						H - 96		04	DOUBLE D			
10.	GL BEAD WIDTH		T 2283						w		02	W - 314 (SINGLE D)		
	for sash		. 1100						VV		04	W/2 - 232 (DOUBLE D)		
11.) GI	BEAD HEIGHT	T 2282					,	H - 324	224	02	H - 324 (SINGLE D)		
	FOR SASI							П-		024	04	H - 324 (DOUBLE D)		
12.	CORNER CLEAT FOR FRAME		5575						28.0		02	MILL FINISH		
13.	CORNER CLEAT		5150					2		.5	02	MILL FINISH		
	FOR SASH							1		.0	04	MILL FINISH		
	AC	CCESSORIE	S LIST							Е	.P.D.M. G	SASKET	LIST	
ITEM No.	ACCESSORY CODE No.	DESCRIPT			LLA	DOUBLE LEAF	ITEM No.	ITEM GAS No. CODE			DESCRIPTION		SINGLE LEAF	DOUBLE LEAF
1.	2604	DOUBLE BEND		P.C	01	02	1.	_	065			GASKET	2W + 2H	2W + 4H
2.	2668 KIT FOR HAND 02111 FLUSH BC			M. F			2.						4W + 8H	4W + 12H
3.	02111 FLUS 16075K DOMUS CYLINDI			M. F	01	01 SET 01	3. RUB 4. RUB							1W
5.	90185X DOMUS CYLIND				01	01	4.	KOB	0/5		Ø4mm	GASKET	1W	1W
6.	92135XT DOMUS ROLLER I			P. C	01 SET	01 SET								
7.	BTS 75V	ING COVER	P. C	01 SET	02 SET									

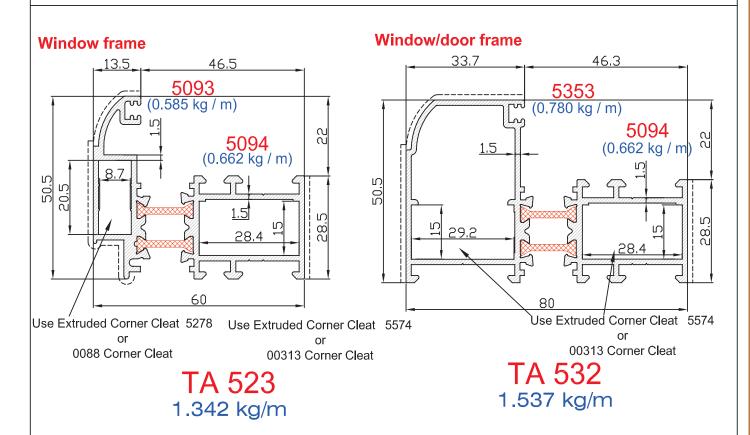
NOTE: ADOPTER SECTION T2490 TO BE CLIP WITH FRAME AND SASH BEFORE CUTTING.



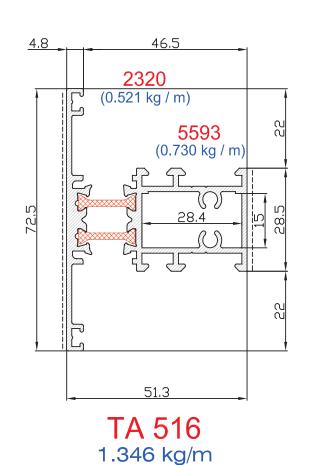




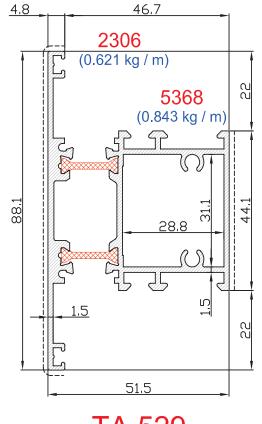
ECO - 500



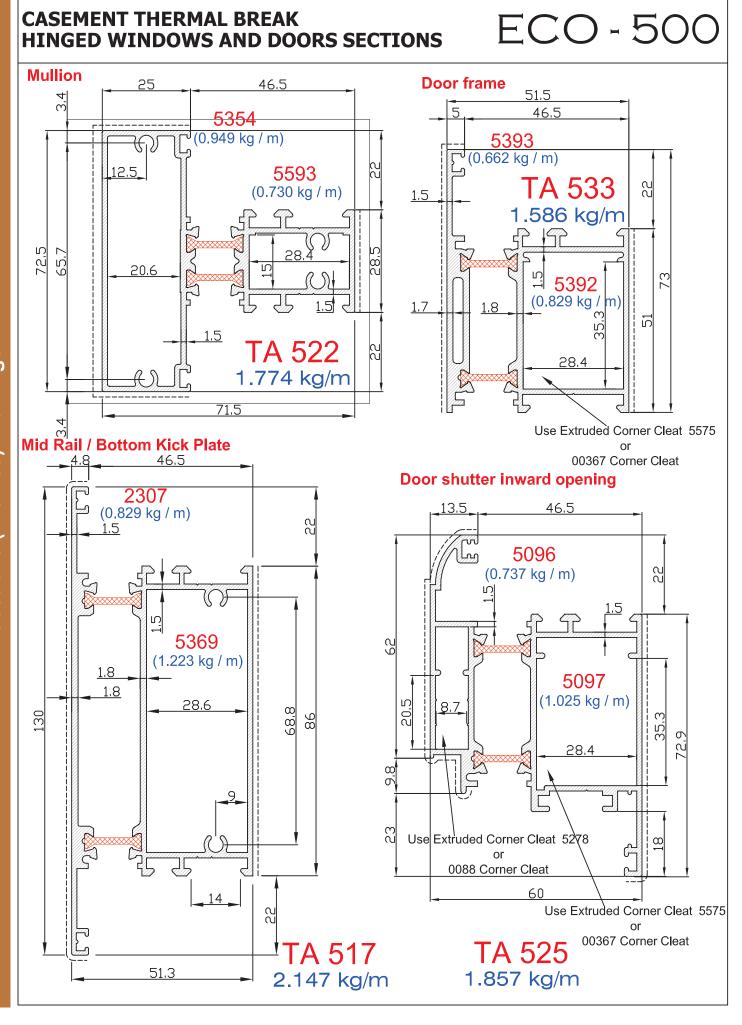
Small T-section



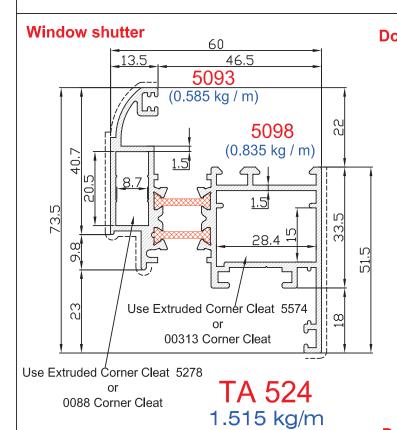
Medium T-section



TA 529 1.559 kg/m



ECO - 500



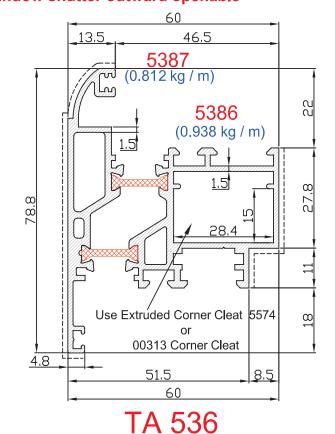
Double shutter adaptor 46.7 3.4 2308 (0.492 kg/m) 5370 (0.723 kg/m) 62 29.3 Use Extruded Corner Cleat 5574

TA 518

00313 Corner Cleat

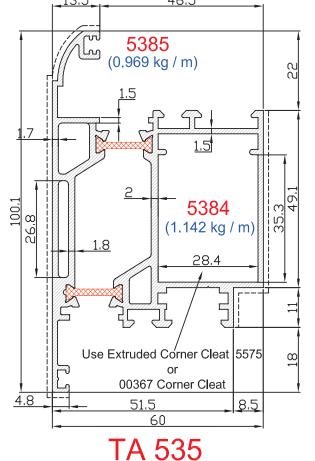
1.310 kg/m

Window shutter outward openable



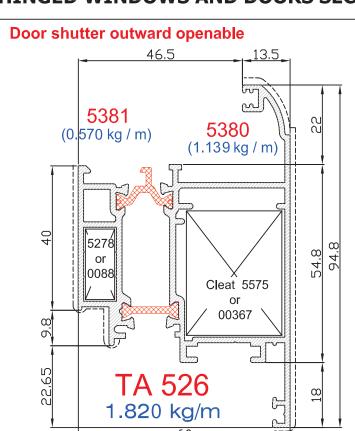
1.845 kg/m

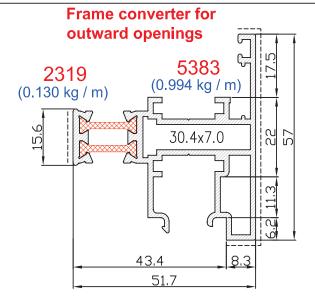
Door shutter outward openable



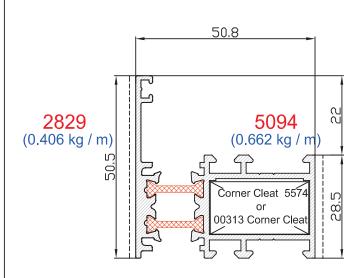
2.206 kg/m

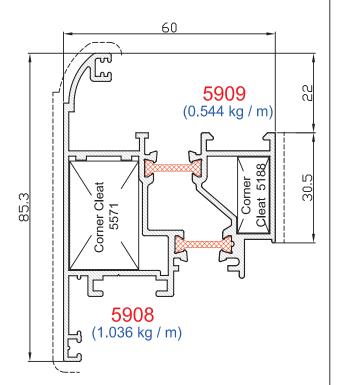
ECO - 500





TA 534 1.219 kg/m

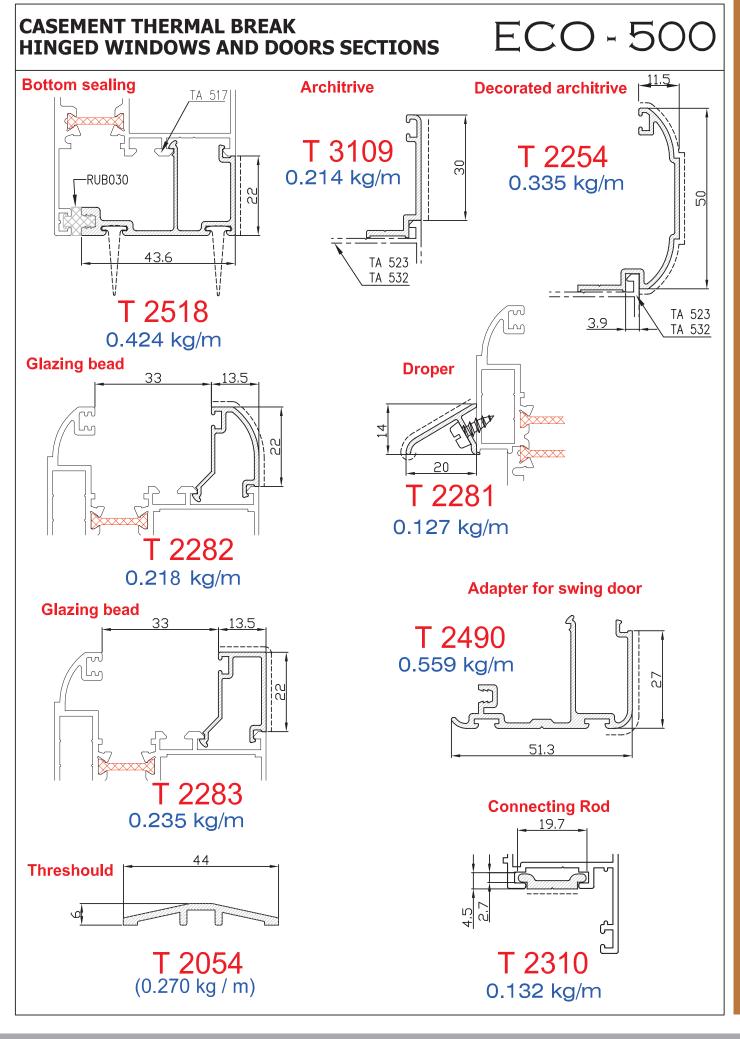


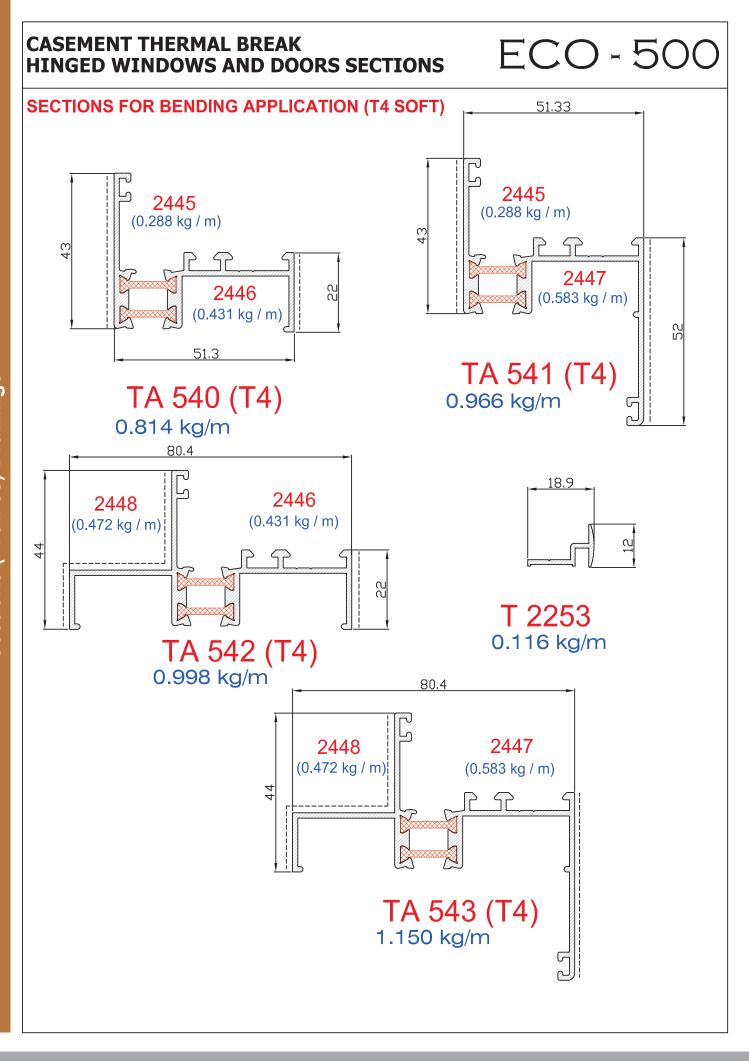


TA 544 1.163 kg/m Window Frame Outward Openable

1.675 kg/m Window Shutter Outward Openable

TA 545

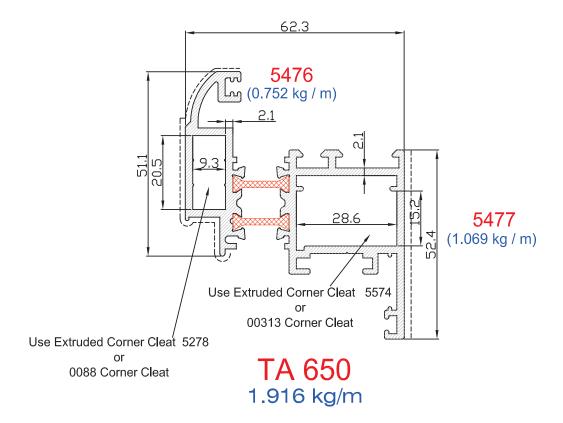




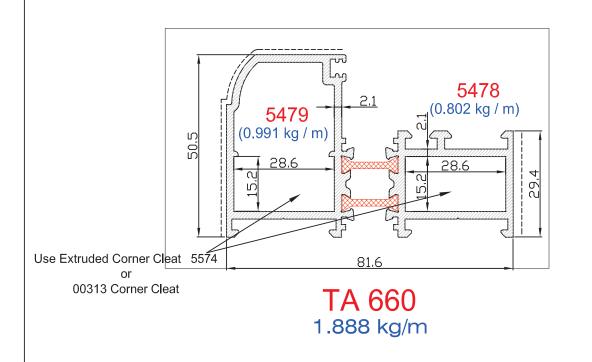
ECO - 500

HEAVY DUTY PROFILES (2.1mm THICK)

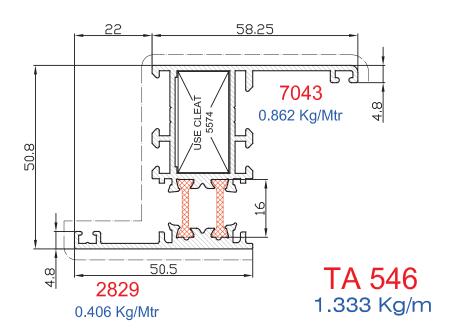
Window shutter

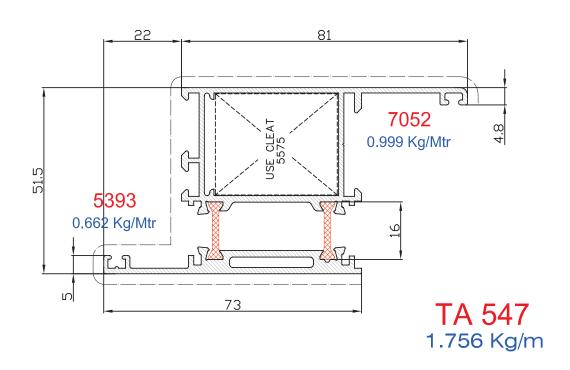


Window frame

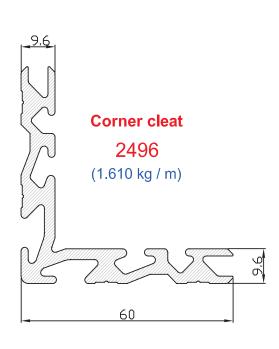


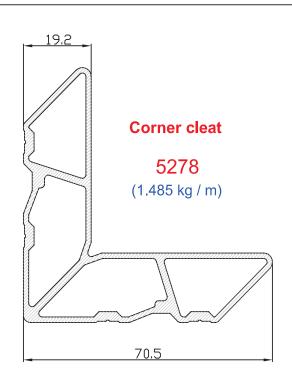
ECO - 500

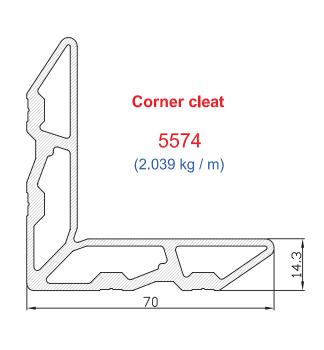


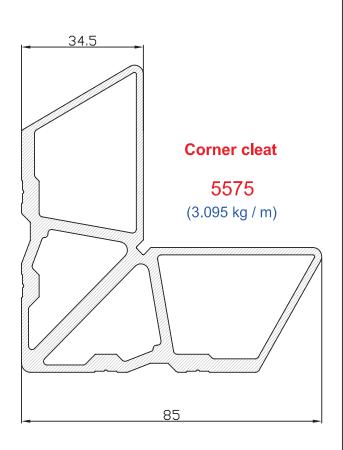


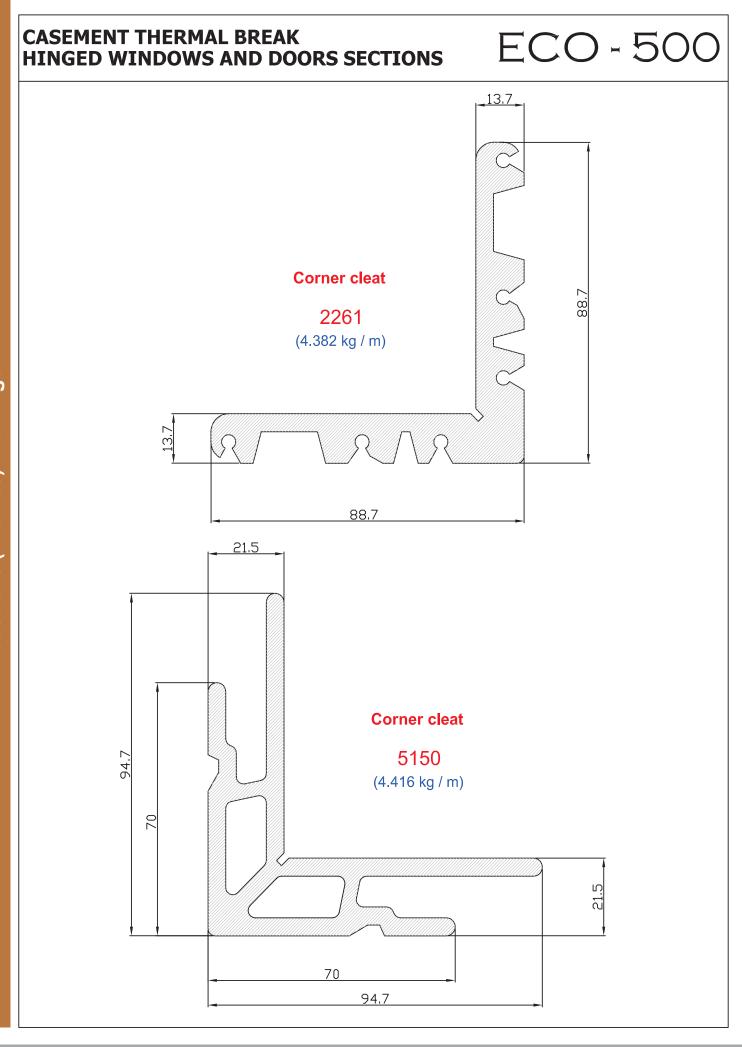
ECO - 500











THERMAL BE SECTIONS M	ECO - 500							
<u>X</u> Y	Sec.	Ixx ^I (CM ⁴)	lyy ⁱ (CM ⁴)	X Y X' Y Y Y Y Y Y Y Y Y	Sec.	Ixx ^I (CM ⁴)	lyy ^I (CM ⁴)	
ica i	TA 516	09.23	15.09		TA 542	03.11	17.48	
ļ	TA 517	86.07	27.84		TA 543	08.69	24.54	
	TA 518	07.40	16.39	H	TA 544	05.51	12.14	
G _I	TA 523	07.53	16.96	[33]	TA 545	21.62	23.56	
(HC)	TA 524	22.23	13.47	H	TA 546	11.79	16.55	
缸	TA 525	32.99	28.55	饵	TA 547	31.18	23.52	
	TA 526	31.06	28.41	f	TA 650	18.16	30.61	
H	TA 529	20.49	18.66	Д ш	TA 660	14.21	42.96	
☐ t ∷	TA 532	11.61	32.42					
坦	TA 533	19.26	18.37					
rti β∷	TA 534	06.88	11.04					
βD	TA 535	43.50	30.86					
f ati	TA 536	18.44	23.72					
[]	TA 540	02.87	08.61					
[]	TA 541	08.49	12.93					