

## CUSTOMER TECHNICAL MEMO # 244

**Subject:** ecoFRAMEplus 101.6mm and 150mm Technical Manual and Wall Chart Extrusion updates

**Date:** August 2015

Good Morning,

Please note the following pages have been revised in line with changes to the ecoFRAMEplus Wall Chart and should replace the existing pages in your current Technical Manuals.

**ecoFRAMEplus 101.6mm**

- Page 1.0 - Technical Manual Release Notes updated with latest changes
- Pages 3.1.1 to 3.1.4 - Extrusions pages amended
- Contacts Page updated (Last page)

**ecoFRAMEplus 150mm**

- Page 1.0 - Technical Manual Release Notes updated with latest changes
- Pages 3.1.1 to 3.1.4 - Extrusions pages amended
- Contacts Page updated (Last page)

All the above pages have been included with this Technical Memo. The format has been set for double sided printing so you will be able to easily replace the current pages in your manual. (You will need to ensure your printer is set to double-sided printing.)

The ecoFRAMEplus Technical Manuals and Wall Chart have been updated on the ALSPEC website. A copy of this Customer Technical Memo has also been added to the NEWS/CUSTOMER TECHNICAL MEMO link for future reference.

If you have any questions please do not hesitate to contact your local ALSPEC Area Manager or Sales Office.



# ALSPEC ALUMINIUM SYSTEMS

## TECHNICAL MANUAL

### ecoFRAMEplus 101.6

Section 1.0

#### TECHNICAL MANUAL RELEASE NOTES

This page is intended to record all changes to the **ecoFRAMEplus 101.6** technical manual pages. It is therefore critical that all changes are recorded in the below AMENDMENTS box prior to release to our customer.

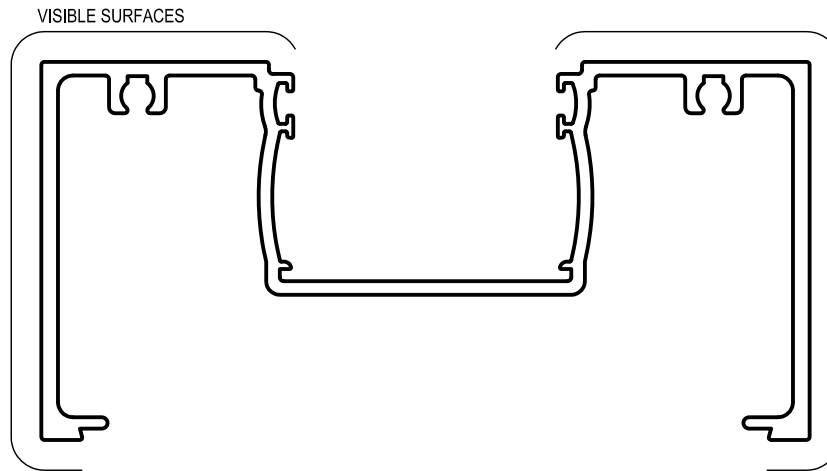
Changes or additions to this manual will be itemised with a brief description and date when the amendments were made.

It is important that a copy of this page be issued with the update and inserted as the first page in the customers technical manual.

DATE	AMENDMENT DESCRIPTION	REMOVE PAGE	INSERT NEW PAGE
30 / 03 / 2008	<i>Technical manual initial release</i>	~	~
27 / 08 / 2008	<i>Santoprene glazing wedges added</i>	3.2.1	3.2.1
27 / 08 / 2008	<i>Santoprene glazing wedges added</i>	3.2.2	3.2.2
01 / 02 / 2009	<i>Technical manual release notes updated</i>	1.0	1.0
01 / 02 / 2009	<i>Loading table explanation page added</i>	2.2	2.2
01 / 02 / 2009	<i>Double Glazing framing - Extrusions</i>	3.1.4	3.1.4
01 / 02 / 2009	<i>Double Glazing framing - Extrusions</i>	3.1.5	~
01 / 02 / 2009	<i>Specification amended</i>	2.1	2.1
01 / 06 / 2010	<i>Full manual revised - Section numbers changed</i>	All	All
12 / 01 / 2011	<i>Sill &amp; Bead Extrusions updated</i>	3.1.2	3.1.2
13 / 01 / 2014	<i>Technical manual revised and updated for reprint</i>	All	All
01 / 02 / 2014	<i>Revised test results &amp; accessories pages</i>	2.3.1 / 2.3.2 / 3.2.4	2.3.1 / 2.3.2 / 3.2.4
19 / 06 / 2014	<i>Revised detail heading</i>	3.4.3 & 3.4.4	3.4.3 & 3.4.4
01 / 06 / 2015	<i>Technical manual release notes updated</i>	1.0	1.0
01 / 06 / 2015	<i>Extrusion pages updated</i>	3.1.1 - 3.1.4	3.1.1 - 3.1.4
01 / 06 / 2015	<i>Contact page updated</i>	Last Page	Last Page



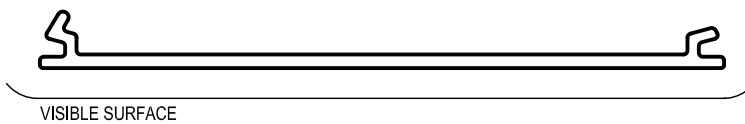
**EXTRUSION PROFILES**



ECO201  
101.6mm DG FRAME

Mass. 1.592 Kg/m  
Anod. Per. 602  
Paint Per. 180

$I_{xx} = 858.76 \times 10^3 \text{ mm}^4$   
 $I_{yy} = 142.04 \times 10^3 \text{ mm}^4$



ECO205  
101.6mm FLAT INFILL

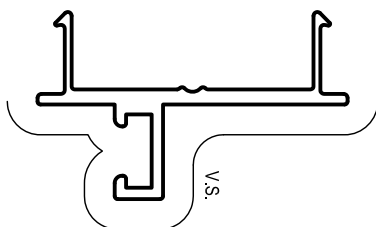
Mass. 0.488 Kg/m  
Anod. Per. 207  
Paint Per. 100



ECO204  
101.6mm DG POCKET INFILL

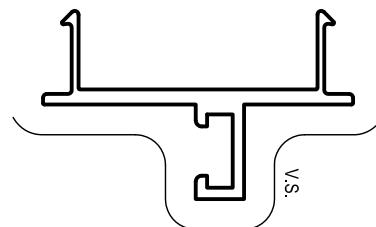
Mass. 0.741 Kg/m  
Anod. Per. 320  
Paint Per. 100

$I_{xx} = 193.60 \times 10^3 \text{ mm}^4$   
 $I_{yy} = 14.20 \times 10^3 \text{ mm}^4$



ECO209  
101.6mm DG  
35mm DOOR STOP

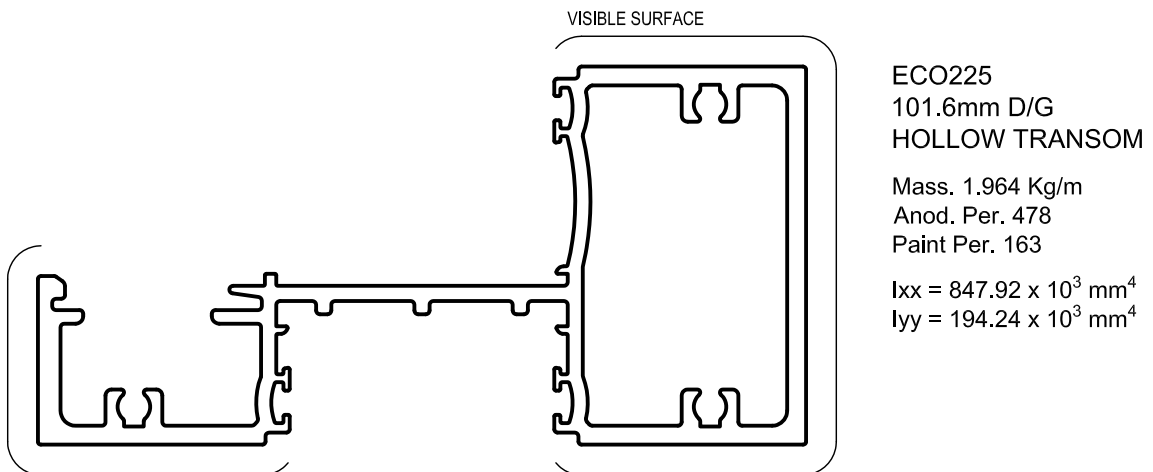
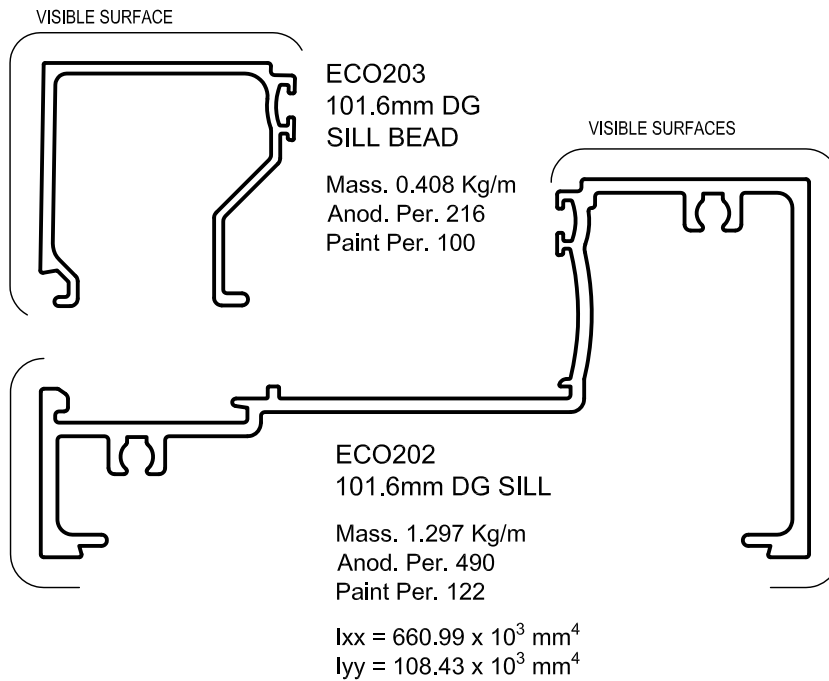
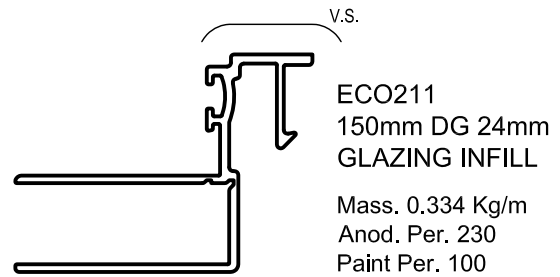
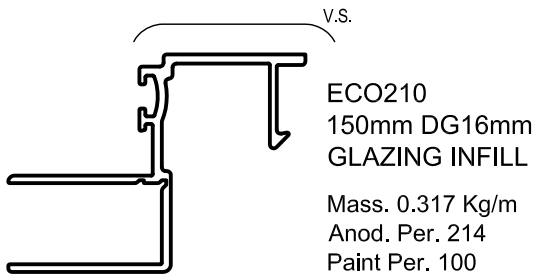
Mass. 0.366 Kg/m  
Anod. Per. 168  
Paint Per. 100



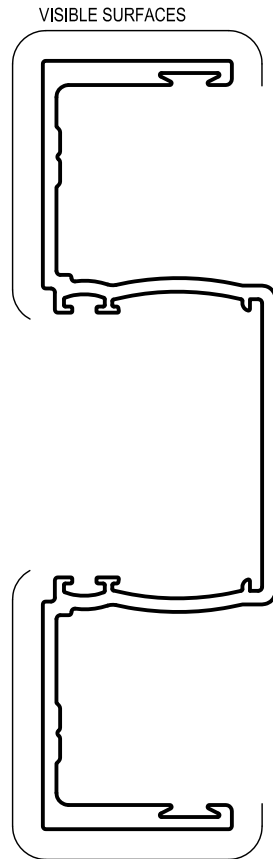
ECO207  
45mm DOOR STOP

Mass. 0.367 Kg/m  
Anod. Per. 169  
Paint Per. 100

**EXTRUSION PROFILES**



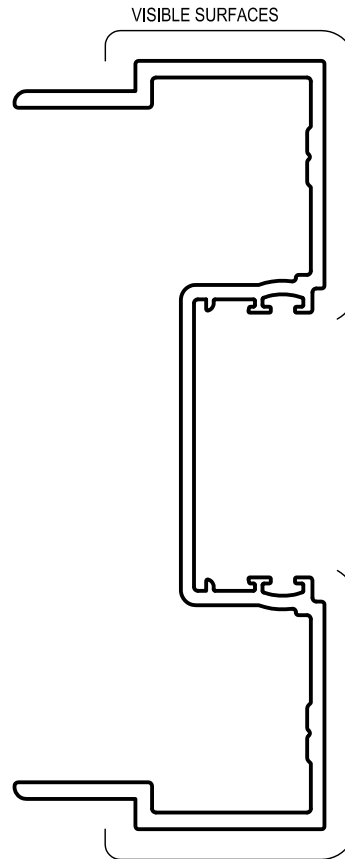
**EXTRUSION PROFILES**



ECO212  
101.6mm DG  
MULLION DEEP

Mass. 1.189 Kg/m  
Anod. Per. 455  
Paint Per. 115

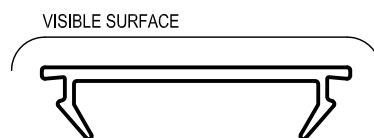
$I_{xx} = 531.10 \times 10^3 \text{ mm}^4$



ECO213  
101.6mm DG  
MULLION SHALLOW

Mass. 1.234 Kg/m  
Anod. Per. 471  
Paint Per. 118

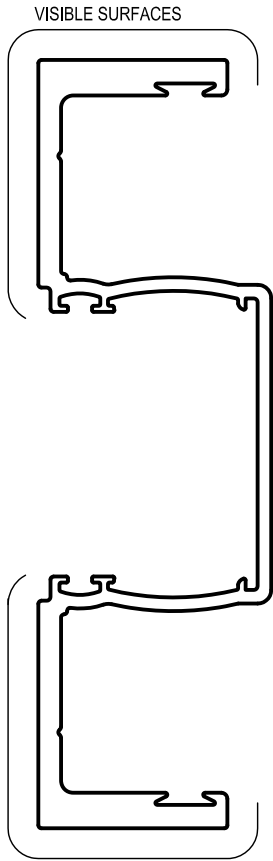
$I_{xx} = 633.86 \times 10^3 \text{ mm}^4$



ECO208R  
DG FLUSH POCKET INFILL

Mass. 0.253 Kg/m  
Anod. Per. 119  
Paint Per. 100

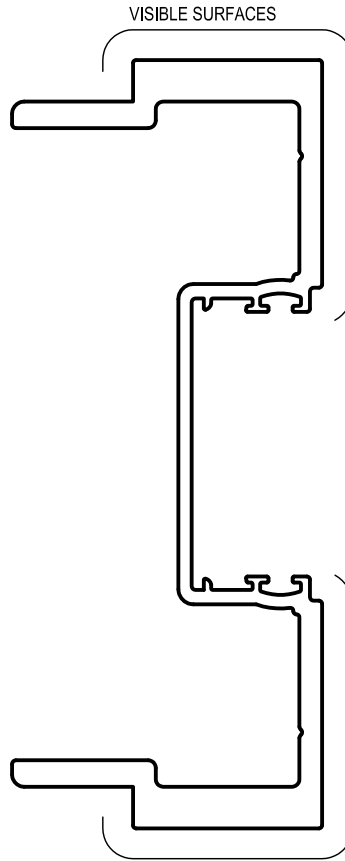
**EXTRUSION PROFILES**



**ECO214**  
101.6mm HD MULLION (F)

Mass. 1.511 Kg/m  
Anod. Per. 450  
Paint Per. 118

$I_{xx} = 745.03 \times 10^3 \text{ mm}^4$



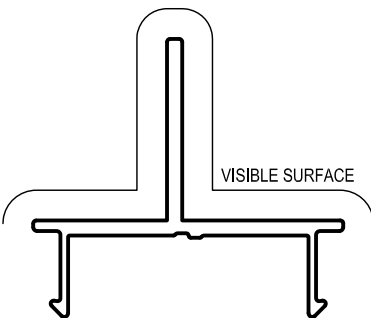
**ECO215**  
101.6mm HD MULLION (M)

Mass. 1.900 Kg/m  
Anod. Per. 462  
Paint Per. 121

$I_{xx} = 1093.83 \times 10^3 \text{ mm}^4$

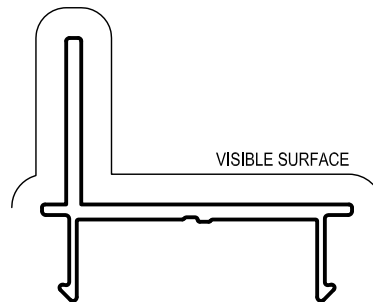
**ECO222**  
50mm AWNING  
ADAPTOR

Mass. 0.406 Kg/m  
Anod. Per. 178  
Paint Per. 100



**ECO223**  
35mm AWNING  
ADAPTOR

Mass. 0.395 Kg/m  
Anod. Per. 174  
Paint Per. 100







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# ALSPEC ALUMINIUM SYSTEMS

## TECHNICAL MANUAL

### *ecoFRAMEplus 150*

Section 1.0

#### TECHNICAL MANUAL RELEASE NOTES

This page is intended to record all changes to the **ecoFRAMEplus 150** technical manual pages. It is therefore critical that all changes are recorded in the below AMENDMENTS box prior to release to our customer.

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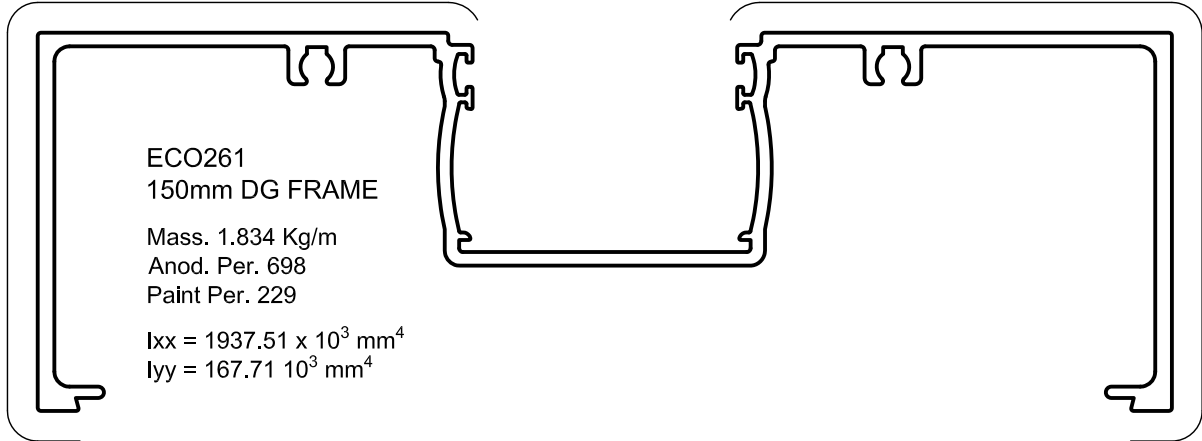
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DATE	AMENDMENT DESCRIPTION	REMOVE PAGE	INSERT NEW PAGE
01 / 02 / 2008	Technical manual initial release	-	-
27 / 08 / 2008	SYN-21 re-numbered	3.1.3	3.1.3
27 / 08 / 2008	Santoprene glazing wedges added	3.2.1	3.2.1
27 / 08 / 2008	Santoprene glazing wedges added	3.2.2	3.2.2
01 / 02 / 2009	Technical manual release notes updated	1.0	1.0
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01 / 06 / 2015	Contacts page updated	Last Page	Last Page



**EXTRUSION PROFILES**

VISIBLE SURFACE



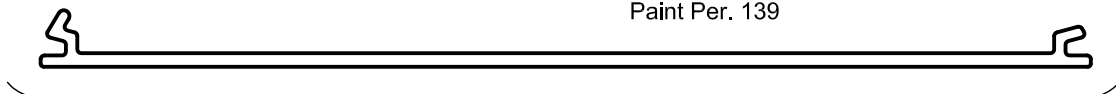
ECO261  
150mm DG FRAME

Mass. 1.834 Kg/m  
Anod. Per. 698  
Paint Per. 229

$I_{xx} = 1937.51 \times 10^3 \text{ mm}^4$   
 $I_{yy} = 167.71 \times 10^3 \text{ mm}^4$

ECO265  
150mm DG FLAT INFILL

Mass. 0.725 Kg/m  
Anod. Per. 304  
Paint Per. 139



VISIBLE SURFACE

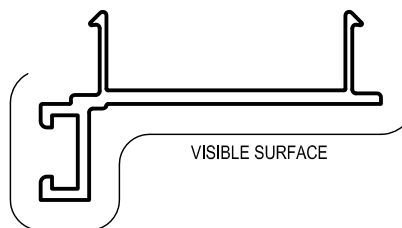
ECO264  
150mm DG POCKET FILLER

Mass. 1.045 Kg/m  
Anod. Per. 436  
Paint Per. 107

$I_{xx} = 569.01 \times 10^3 \text{ mm}^4$   
 $I_{yy} = 17.84 \times 10^3 \text{ mm}^4$



VISIBLE SURFACES

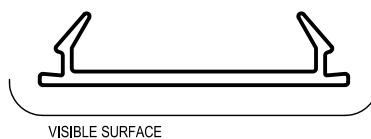
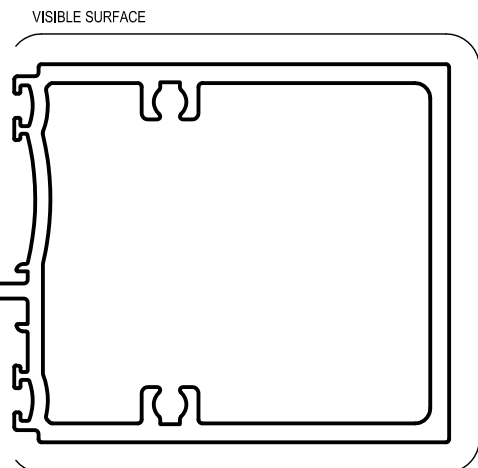
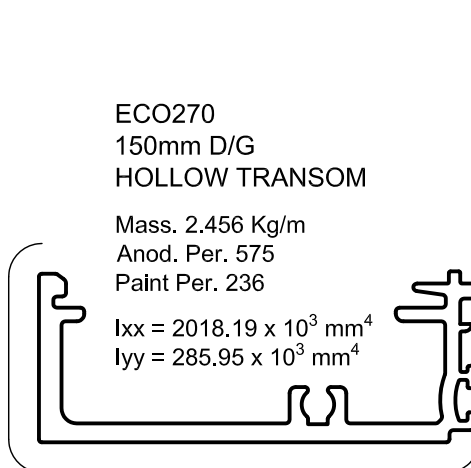
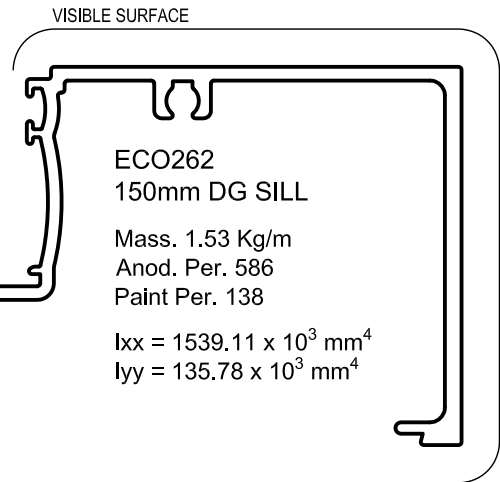
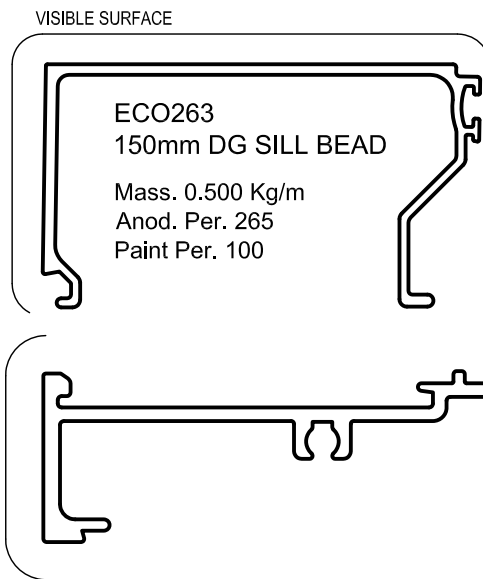
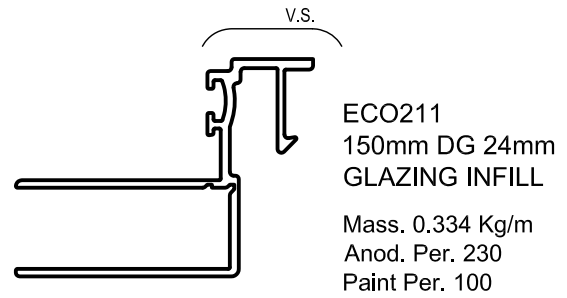
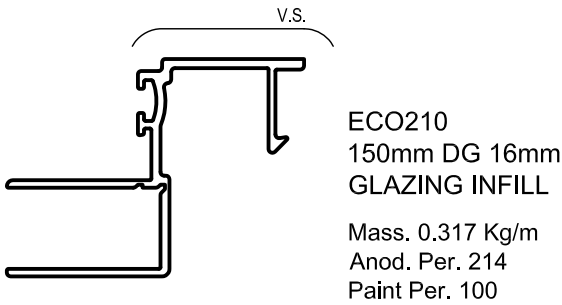


VISIBLE SURFACE

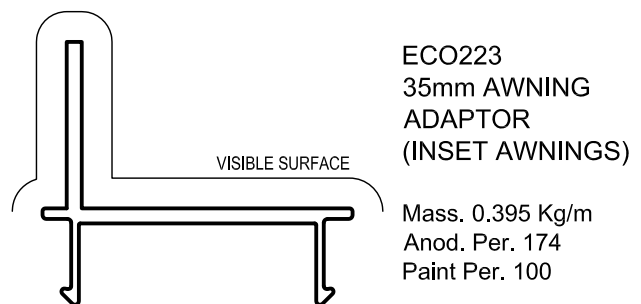
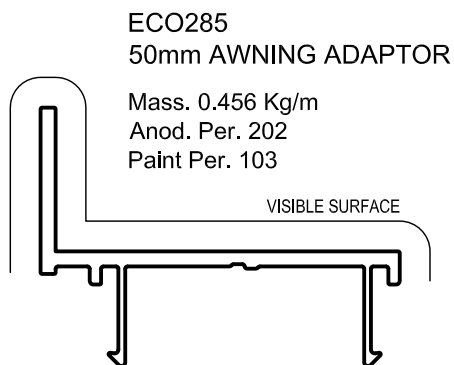
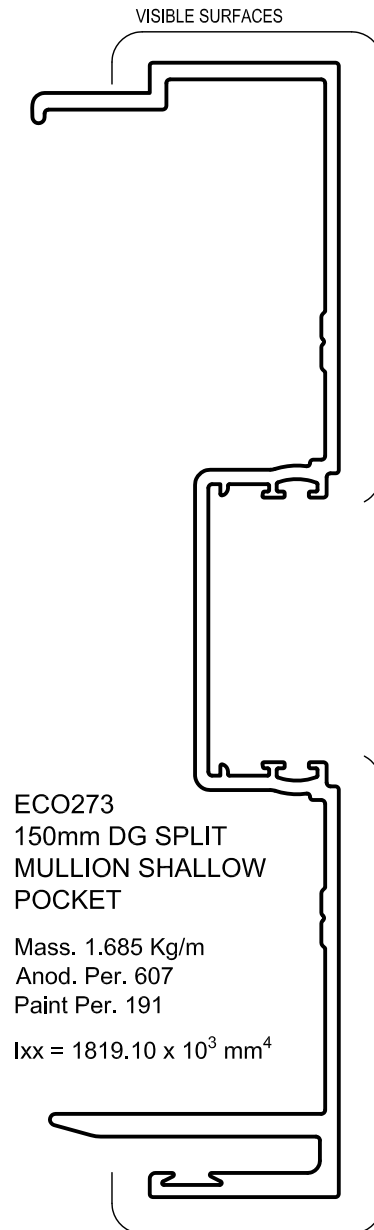
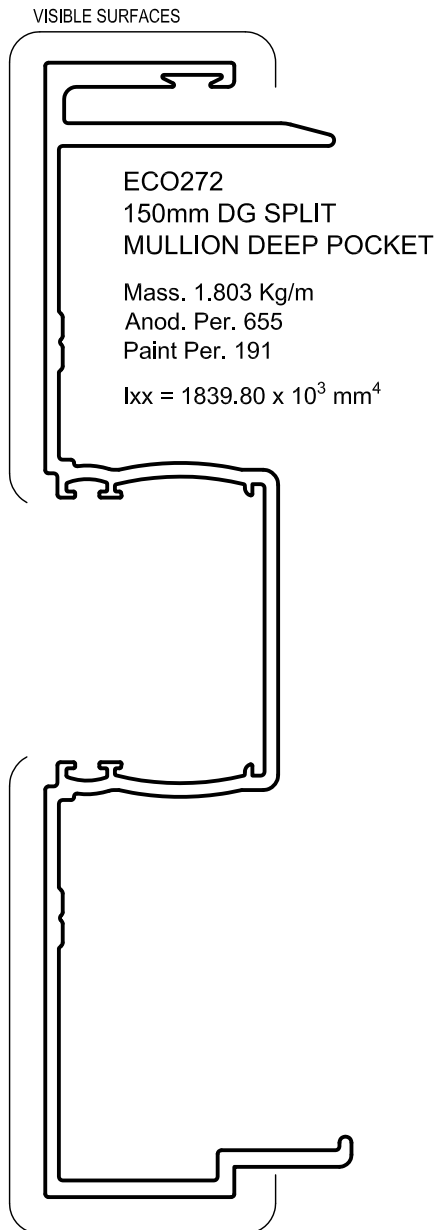
ECO267  
150mm DG 45mm  
DOOR STOP

Mass. 0.353 Kg/m  
Anod. Per. 177  
Paint Per. 100

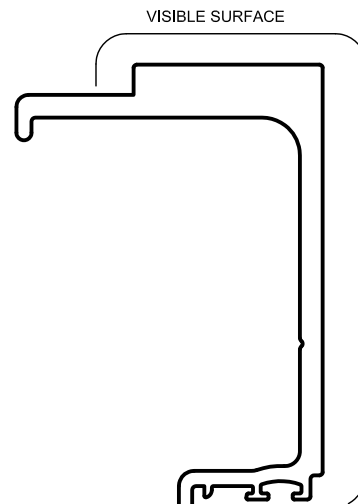
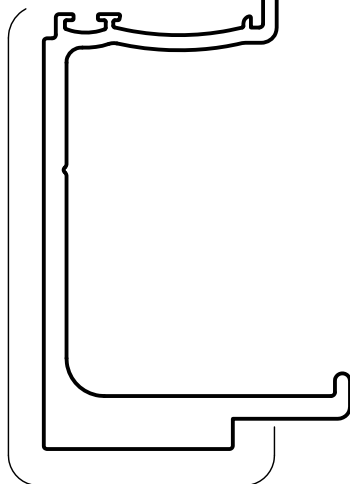
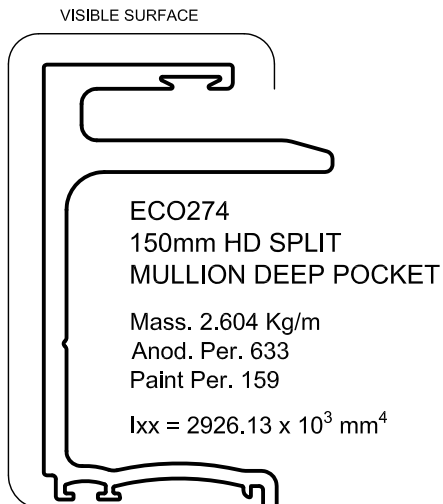
**EXTRUSION PROFILES**



**EXTRUSION PROFILES**



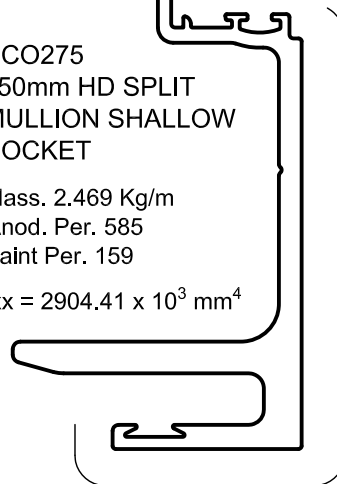
**EXTRUSION PROFILES**



ECO275  
150mm HD SPLIT  
MULLION SHALLOW  
POCKET

Mass. 2.469 Kg/m  
Anod. Per. 585  
Paint Per. 159

$I_{xx} = 2904.41 \times 10^3 \text{ mm}^4$







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