



Specification Clauses for Revolution 54

K30: Panel Partitions

1 November 2016

Specifications

© Optima Products Ltd



K30 – Panel Partitions (Single Glazed) Revolution 54

130 RELOCATABLE PARTITION SYSTEM

(Insert description or location / usage)

- Manufacturer:
 - Optima Products Ltd, Mill Road, Radstock, Nr. Bath BA3 5TX
 - Optima Contracting Limited, Courtyard House, West End Road, High Wycombe HP11 2QB (Insert Sales Contact Details)
 OSCA Reference: (insert number)
- Product Reference:
 - Optima Revolution 54 Single Glazed Partition System
- · Strength Grade:
 - Duty Rating to BS5234-2 not applicable to Frameless Glazed Partitioning System designed for category of use: (Insert from following options)
 - Uncongested Office Space 0.36kN/m line load
 - Congested Office Space 0.74kN/m line load
 - o Public Access Space 0.74kN/m line load
 - o Public Access Space 1.50kN/m line load
 - Maximum allowable deflection under the line load: (Insert from following options)
 L/120 or 25mm (whichever is least)
 L/65 or 50mm (whichever is least)
- Fire Resistance of complete system to BS476 22:
 - Not applicable
- Fire Rating for Panels:
 - Not applicable
- Sound Insulation to BS EN ISO 10140 2 and ISO 717-1: (Insert from following options)
 - 32dB (R_w) 10mm toughened glass Estimated
 - 33dB (R_w) 12mm toughened glass Lab Tested see Performance Certificate 054068
 - 35dB (R_w) 10.8mm laminate glass Estimated
 - 36dB (R_w) 12.8mm laminate glass Estimated
 - 37dB (R_w) 10.8mm acoustic laminate glass Estimated
 - 38dB (R_w) 12.8mm acoustic laminate glass Lab Tested see Performance Certificate 054069
 - Aggregate screen value (partition plus door set): [Insert Value dB(Rw)]
- Partition Height:
 - (Insert floor to ceiling height. NOTE: Maximum standard height 3000mm)
- Partition Abutments:
 - Head detail (Deflection allowance): (Insert from following options)
 - 054006-02 25mm deep Offset glazed (no deflection)
 - 054006-03 25mm deep Central glazed (no deflection)
 - 054006-04 Door head
 - 054007-02 50mm deep Offset glazed (no deflection)
 - 054007-03 50mm deep Central glazed (no deflection)
 - 054007-04 Door head
 - 054002-02 90mm deep Offset glazed (±25mm deflection internal)
 - 054002-03 90mm deep Central glazed (±25mm deflection internal)
 - 054002-04 Door head
 - 054003-02 94mm deep Offset glazed (±25mm deflection external)
 - 054003-03 94mm deep Central glazed (±25mm deflection external)
 - 054003-04 Door head
 - 054004-02 137mm deep Offset glazed (±40mm deflection internal)
 - 054004-03 137mm deep Central glazed (±40mm deflection internal)
 - 054004-04 Door head
 - 054005-02 140mm deep Offset glazed (±40mm deflection external)
 - 054005-03 140mm deep Central glazed (±40mm deflection external)
 - 054005-04 Door head

^Coptima

System: Revolution 54
Issue Date: 01 November 2016

- Floor detail: (Insert from following options)
 - 054008-02 25mm deep Offset glazed
 - 054008-03 25mm deep Central glazed
 - 054009-05 50mm deep Offset glazed
 - 054009-06 50mm deep Central glazed
- Wall detail: (Insert from following options)
 - 054010-02 25mm deep Offset glazed
 - 054010-03 25mm deep Central glazed
 - 054011-02 25mm deep Offset glazed with clip-on beads
 - 054011-03 25mm deep Central glazed with clip-on beads
 - 054012-02 50mm deep Offset glazed
 - 054012-03 50mm deep Central glazed
 - 054013-02 50mm deep Offset glazed with clip-on beads
 - 054013-03 50mm deep Central glazed with clip-on beads
 - 054013-04 Door Frame Spacer for D450 Frame
 - 054014-02 ±25mm horizontal deflection Offset Glazed
 - 054014-03 ±25mm horizontal deflection Central Glazed
 - 054025-02 Tapeable glazing bar to 122mm generic drywall Offset glazed
 - 054026-01 Tapeable glazing bar to 122mm generic drywall Central glazed
 - 054027-02 Tapeable glazing bar to 100mm generic drywall Offset glazed
 - 054028-01 Tapeable glazing bar to 100mm generic drywall Central glazed

Framing:

Aluminium extruded track sections

• Glazing Junctions / Corners:

- Glass-to-glass joints: (Insert from following options)
 - 054030-02 SA Aluminium in-line joint
 - 054031-04 SA Aluminium 3-way joint
 - 054030-06 SA Aluminium 90° corner joint
 - 054030-01 Nebula[™] in-line joint
 - 054031-02 Nebula[™] 3-way joint
 - 054030-05 Mitred & Taped 90° corner joint
 - 054030-03 Ghost in-line joint
 - 054031-05 Ghost 3-way joint
 - 054030-07 Ghost 90° corner joint
 - 054030-04 Taped in-line joint
 - 054031-01 Taped 3-way joint
 - 054030-08 Taped 90° corner joint
 - 054031-03 Taped 3-way to Aluminium In-Line Joint

Skirtings/Sills:

Not applicable: Refer framing clause and floor abutment clause

Trims:

- Not applicable: Refer framing clause and head / floor / wall abutment clauses

Solid Panels:

- Not applicable: Refer Glazed Panels clauses

Glazing:

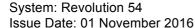
- Full height, dry jointed and dry glazed with: (Insert from following options)
 - 10mm toughened glass
 - 12mm toughened glass
 - 10.8mm laminate glass
 - 12.8mm laminate glass
 - 10.8mm acoustic laminate glass
 - 12.8mm acoustic laminate glass

Manifestation:

To architects choice and in accordance with the requirements of Approved Document K: (Insert description)

Blinds:

Not applicable



⁶optima

· Door sets:

- Integral Microflush D450 aluminium door frame with 50mm face and leaf set: (Insert from following options)
 - AXILE Clarity frameless single glazed leaf on offset Quad pivots Lab Tested to 32dB (R_w) with suitable threshold seal See Performance Certificate 900185
 - AXILE Clarity frameless single glazed leaf on lift-off hinges Lab Tested to 32dB (R_w) with drop seal See Performance Certificate 900253
 - AXILE Flush-Bond frameless double glazed leaf on offset pivots Lab Tested to 33dB (R_w) with suitable threshold seal See Performance Certificate 900186
 - EDGE Symmetry single glazed leaf on offset pivots/hinges Lab Tested to 35dB (R_w) See Performance Certificate 900254
 - EDGE Symmetry double glazed leaf on offset pivots/hinges Lab Tested to 41dB (R_w) See Performance Certificate 900256
 - EDGE Affinity single glazed leaf on offset pivots/hinges Lab Tested to 39dB (R_w) See Performance Certificate 900257
 - EDGE Affinity double glazed leaf on offset pivots/hinges Lab Tested to 42dB (R_w) See Performance Certificate 900258
 - Timber 44mm leaf on offset pivots/hinges Lab Tested up to 31dB (R_w) See Performance Certificate 900187
 - Timber 54mm rebated leaf on offset pivots/hinges Lab Tested up to 33dB (R_w) See Performance Certificates 900188 & 900195

• Vision Panels:

- Not applicable

· Ironmongery:

To architects choice, from Optima standard ironmongery suite: (Insert description)

Cable Management / Outlets:

Not applicable

Accessories:

- (Insert special requirements) Refer to Optima for advice

Other Requirements:

- Sustainability System to conform to the requirements of (Insert from following options)
 - o SKA Compliant with Good Practice Measure M09 Ref. Sustainability Statement 054300
 - BREEAM Satisfies a rating of A+ against Green Guide Ratings 2008 Ref. Sustainability
 Statement 054303
- BIM System to come complete with Revit models to LOD 500
- (Insert special requirements) Refer to Optima for advice

• Finish / Colour:

To architects choice from Optima standard range: (Insert from following options)

Powder coat RAL 9010 White (nom. 50 microns, 30% gloss)

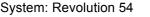
Powder coat RAL 9006 Silver (nom. 50 microns, 30% gloss)

Powder coat non - standard colour (Refer to Optima for advice)

Anodised 25 microns thickness (Refer to Optima for advice)

Grained, Brightened and Protective Anodised (Refer to Optima for advice)

Polished, Brightened and Protective Anodised (Refer to Optima for advice)





K30 – Panel Partitions (Double Glazed) Revolution 54

130 RELOCATABLE PARTITION SYSTEM

(Insert description or location / usage)

Manufacturer:

- Optima Products Ltd, Mill Road, Radstock, Nr. Bath BA3 5TX
- Optima Contracting Limited, Courtyard House, West End Road, High Wycombe HP11 2QB (Insert Sales Contact Details)

OSCA Reference: (insert number)

• Product Reference:

- Optima Revolution 54 Double Glazed Partition System

· Strength Grade:

- Duty Rating to BS5234-2 not applicable to Frameless Glazed Partitioning

System designed for category of use: (Insert from following options)

- Uncongested Office Space 0.36kN/m line load
- Congested Office Space 0.74kN/m line load
- o Public Access Space 0.74kN/m line load
- o Public Access Space 1.50kN/m line load
- Maximum allowable deflection under the line load: (Insert from following options)
 L/120 or 25mm (whichever is least)
 L/65 or 50mm (whichever is least)

• Fire Resistance of complete system to BS476 - 22:

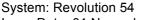
- Not applicable

· Fire Rating for Panels:

Not applicable

Sound Insulation to BS EN ISO 10140 - 2 and ISO 717-1: (Insert from following options)

- 38dB (R_w) 2 x 10mm Toughened
- 38dB (R_w) 10mm toughened glass + 12mm toughened glass Assessed against lab test data see
 Performance Certificate 054082
- 38dB (R_w) 12mm toughened glass + 12mm toughened glass Assessed against lab test data see
 Performance Certificate 054099
- 39dB (R_w) 10mm toughened glass + 10.8mm laminate glass Assessed against lab test data see
 Performance Certificate 054093
- 39dB (R_w) 10mm toughened glass + 12.8mm laminate glass Assessed against lab test data see Performance Certificate 054086
- 39dB (R_w) 12mm toughened glass + 10.8mm laminate glass Assessed against lab test data see Performance Certificate 054083
- 39dB (R_w) 12mm toughened glass + 12.8mm laminate glass Assessed against lab test data see Performance Certificate 054098
- $40dB (R_w)$ 2×10.8 mm laminate glass Assessed against lab test data see Performance Certificate 054095
- 40dB (R_w) 10.8mm laminate glass + 12.8mm laminate glass Assessed against lab test data see Performance Certificate 054087
- $40dB (R_w) 2 \times 12.8$ mm laminate glass Assessed against lab test data see Performance Certificate 054085
- 41dB (R_w) 10mm toughened glass + 10.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054094
- 41dB (R_w) 10mm toughened glass + 12.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054089
- 41dB (R_w) 12mm toughened glass + 10.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054084
- $41dB (R_w)$ 12mm toughened glass + 12.8mm acoustic laminate glass Lab Tested see Performance Certificate 054070
- 42dB (R_w) 10.8mm laminate glass + 10.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054096





- 42dB (R_w) 10.8mm laminate glass + 12.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054090
- 42db (R_w) 12.8mm laminate glass + 10.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054088
- 42dB (R_w) 12.8mm laminate glass + 12.8mm acoustic laminate glass Lab Tested see Performance Certificate 054071
- 44dB (R_w) 2 x 10.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054097
- 44dB (R_w) 10.8mm acoustic laminate glass + 12.8mm acoustic laminate glass Assessed against lab test data see Performance Certificate 054091
- 44dB (R_w) 2 x 12.8mm acoustic laminate glass Lab Tested see Performance Certificate 054072
- 45dB (R_w) 2 x 12.8mm acoustic laminate glass Lab Tested see Performance Certificate 054074
- $46dB (R_w) 2 \times 12.8$ mm acoustic laminate glass (single module fin) Lab Tested see Performance Certificate 054073
- Aggregate screen value (partition plus door set): [Insert Value dB(Rw)]

Partition Height:

- (Insert floor to ceiling height. NOTE: Maximum standard height 3000mm)

Partition Abutments:

- Head detail (Deflection allowance): (Insert from following options)

054006-01 - 25mm deep (no deflection)

054006-04 - Door head

054007-01 - 50mm deep (no deflection)

054007-04 - Door head

054002-01 - 90mm deep (±25mm deflection - internal)

054002-04 - Door head

054003-01 - 94mm deep (±25mm deflection - external)

054003-04 - Door head

054004-01 - 137mm deep (±40mm deflection – internal)

054004-04 - Door head

054005-01 - 140mm deep (±40mm deflection - external)

054005-04 - Door head

- Floor detail: (Insert from following options)

054008-01 - 25mm deep

054009-04 - 50mm deep

- Wall detail: (Insert from following options)

054010-01 - 25mm deep

054011-01 - 25mm deep with clip-on beads

054012-01 - 50mm deep

054013-01 - 50mm deep with clip-on beads

054013-04 - Door Frame Spacer for D450 Frame

054014-01 - ±25mm horizontal deflection

054025-01 - Tapeable glazing bar to 122mm generic drywall

054027-01 - Tapeable glazing bar to 100mm generic drywall

Framing:

Aluminium extruded track sections

Glazing Junctions / Corners:

Glass-to-glass joints: (Insert from following options)

054030-02 - SA Aluminium in-line joint

054031-04 - SA Aluminium 3-way joint

054030-06 - SA Aluminium 90° corner joint

054030-01 - Nebula $^{\mathsf{TM}}$ in-line joint

054031-02 - Nebula[™] 3-way joint

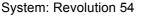
054030-05 - Mitred & Taped 90° corner joint

054030-03 - Ghost in-line joint

054031-05 - Ghost 3-way joint

054030-07 - Ghost 90° corner joint

054030-04 - Taped in-line joint





054031-01 - Taped 3-way joint

054030-08 - Taped 90° corner joint

054031-03 - Taped 3-way to Aluminium In-Line Joint

Skirtings/Sills:

- Not applicable: Refer framing clause and floor abutment clause

Trims:

- Not applicable: Refer framing clause and head / floor / wall abutment clauses

Solid Panels:

- Not applicable: Refer Glazed Panels clauses

Glazing:

Full height, dry jointed and dry glazed with: (Insert from following options)

2 x 10mm Toughened

10mm toughened glass + 12mm toughened glass

12mm toughened glass + 12mm toughened glass

10mm toughened glass + 10.8mm laminate glass

10mm toughened glass + 12.8mm laminate glass

12mm toughened glass + 10.8mm laminate glass

12mm toughened glass + 12.8mm laminate glass

2 x 10.8mm laminate glass

10.8mm laminate glass + 12.8mm laminate glass

2 x 12.8mm laminate glass

10mm toughened glass + 10.8mm acoustic laminate glass

10mm toughened glass + 12.8mm acoustic laminate glass

12mm toughened glass + 10.8mm acoustic laminate glass

12mm toughened glass + 12.8mm acoustic laminate glass

10.8mm laminate glass + 10.8mm acoustic laminate glass

10.8mm laminate glass + 12.8mm acoustic laminate glass

12.8mm laminate glass + 10.8mm acoustic laminate glass

12.8mm laminate glass + 12.8mm acoustic laminate glass

2 x 10.8mm acoustic laminate glass

10.8mm acoustic laminate glass + 12.8mm acoustic laminate glass

2 x 12.8mm acoustic laminate glass

Manifestation:

To architects choice and in accordance with the requirements of Approved Document K: (Insert description)

• Blinds:

Not applicable

Door sets:

Integral Microflush D450 aluminium door frame with 50mm face and leaf set: (Insert from following options)

AXILE Clarity frameless single glazed leaf on offset Quad pivots - Lab Tested to 32dB (R_w) with suitable threshold seal - See Performance Certificate 900185

AXILE Clarity frameless single glazed leaf on lift-off hinges - Lab Tested to 32dB (R_w) with drop seal – See Performance Certificate 900253

AXILE Flush-Bond frameless double glazed leaf on offset pivots - Lab Tested to 33dB (R_w) with suitable threshold seal – See Performance Certificate 900186

EDGE Symmetry single glazed leaf on offset pivots/hinges - Lab Tested to 35dB (R_w) – See Performance Certificate 900254

EDGE Symmetry double glazed leaf on offset pivots/hinges - Lab Tested to 41dB (R_w) – See Performance Certificate 900256

EDGE Affinity single glazed leaf on offset pivots/hinges - Lab Tested to 39dB (R_w) – See Performance Certificate 900257

EDGE Affinity double glazed leaf on offset pivots/hinges - Lab Tested to 42dB (R_w) – See Performance Certificate 900258

Timber 44mm leaf on offset pivots/hinges - Lab Tested up to 31dB (R_w) – See Performance Certificate 900187





Timber 54mm rebated leaf on offset pivots/hinges - Lab Tested up to 33dB (R_w) – See Performance Certificates 900188 & 900195

- AXILE Conceal integral rebated flush door Lab Tested to 32dB (R_w) See Performance Certificate 054108
- AXILE Harmony integral square-edge flush door Lab Tested to 32dB (R_w) See Performance Certificate 054115
- Vision Panels:
 - Not applicable
- · Ironmongery:
 - To architects choice, from Optima standard ironmongery suite: (Insert description)
- Cable Management / Outlets:
 - Not applicable
- Accessories:
 - (Insert special requirements) Refer to Optima for advice
- Other Requirements:
 - Sustainability System to conform to the requirements of (Insert from following options)
 - o SKA Compliant with Good Practice Measure M09 Ref. Sustainability Statement 054300
 - BREEAM Satisfies a rating of A against Green Guide Ratings 2008 Ref. Sustainability Statement 054301
 - BIM System to come complete with Revit models to LOD 500
 - (Insert special requirements) Refer to Optima for advice
- Finish / Colour:
 - To architects choice from Optima standard range: (Insert from following options)

Powder coat RAL 9010 White (nom. 50 microns, 30% gloss)

Powder coat RAL 9006 Silver (nom. 50 microns, 30% gloss)

Powder coat non - standard colour (Refer to Optima for advice)

Anodised 25 microns thickness (Refer to Optima for advice)

Grained, Brightened and Protective Anodised (Refer to Optima for advice)

Polished, Brightened and Protective Anodised (Refer to Optima for advice)

Appendix A Amendment Record

Amendment Date	Details	How Communicated	Authorized by
18 March 2013	First issue	E-mail to Optima Sales & Estimating Departments	P. Long
23 March 2014	Layout compacted	E-mail to Optima Sales & Estimating Departments	P. Long
24 April 2015	Door set options updated	E-mail to Optima Sales & Estimating Departments	P. Long
1 Nov 2016	Re-Format	E-mail to Optima Sales & Estimating Departments	P. Long