HANDLELESS
RAIL SYSTEMS

PWS
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PWS offer two distinct rail systems that allow you to create true handleless kitchens – Recessed and Flush. This document illustrates the difference between the two, where they can be used and how to fit them.

**RECESSED RAIL SYSTEM**

The recessed rail profile is designed to create a hand void behind the door. Cabinets need to be routered to accept the profile.

**FLUSH RAIL SYSTEM**

The flush rail profile is designed to sit flush to the front of the cabinet, using the same cabinet router detail as the recessed rail profile. It should only be specified on doors with a reverse chamfer.
RECESSED RAIL SYSTEM
**PRODUCT RANGE OVERVIEW**

The recessed rail profile is designed to create a hand void behind the door. Designed for use with our Porter, Tomba, Reclaimed Oak and Character Graphite Feature Modern doors as well as our UNITY made-to-measure range. Cabinets need to be routered to accept the profile.

### TOP profiles for base units

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GPT4100 Top profile for doors, 4100x56.5x27.2mm, aluminium</td>
</tr>
<tr>
<td>1</td>
<td>GPT4100MW Top profile for doors, 4100x56.5x27.2mm, matt white</td>
</tr>
<tr>
<td>1</td>
<td>GPT4100MG Top profile for doors, 4100x56.5x27.2mm, matt graphite</td>
</tr>
<tr>
<td>2</td>
<td>GPCTS560SDL✝ Aluminium curved top profile for 300x560mm small curved base cabinet, left hand (cut down for 300x300 applications)</td>
</tr>
<tr>
<td>3</td>
<td>GPCTS560SDR✝ Aluminium curved top profile for 300x560mm small curved base cabinet, right hand (cut down for 300x300 applications)</td>
</tr>
<tr>
<td>4</td>
<td>GPCTIC900✝ Aluminium curved top profile for 900 x 900mm internal curved corner base cabinet</td>
</tr>
<tr>
<td>5</td>
<td>GPTEND End caps for top profiles, pair, 1 left &amp; 1 right hand, aluminium</td>
</tr>
<tr>
<td>5</td>
<td>GPTENDMW End caps for top profiles, pair, 1 left &amp; 1 right hand, matt white</td>
</tr>
<tr>
<td>5</td>
<td>GPTENDMG End caps for top profiles, pair, 1 left &amp; 1 right hand, matt graphite</td>
</tr>
<tr>
<td>6</td>
<td>GPTEX90 Top profile, external corner joint 90 degree, aluminium</td>
</tr>
<tr>
<td>6</td>
<td>GPTEX90MW Top profile, external corner joint 90 degree, matt white</td>
</tr>
<tr>
<td>6</td>
<td>GPTEX90MG Top profile, external corner joint 90 degree, matt graphite</td>
</tr>
<tr>
<td>7</td>
<td>GPTIN90 Top profile, internal corner joint 90 degree, aluminium</td>
</tr>
<tr>
<td>7</td>
<td>GPTIN90MW Top profile, internal corner joint 90 degree, matt white</td>
</tr>
<tr>
<td>7</td>
<td>GPTIN90MG Top profile, internal corner joint 90 degree, matt graphite</td>
</tr>
<tr>
<td>8</td>
<td>GPTJOINT Mid joint section for top profile, aluminium</td>
</tr>
<tr>
<td>8</td>
<td>GPTJOINTMW Mid joint section for top profile, matt white</td>
</tr>
<tr>
<td>8</td>
<td>GPTJOINTMG Mid joint section for top profile, matt graphite</td>
</tr>
<tr>
<td>9</td>
<td>GPFIXING Securing brackets for top and mid supports, black plastic, pk 2. Minimum order quantity of 25</td>
</tr>
</tbody>
</table>

### MID profiles for base units

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>GPM4100 Mid profile for drawers, 4100x73x26mm, aluminium</td>
</tr>
<tr>
<td>10</td>
<td>GPM4100MW Mid profile for drawers, 4100x73x26mm, matt white</td>
</tr>
<tr>
<td>10</td>
<td>GPM4100MG Mid profile for drawers, 4100x73x26mm, matt graphite</td>
</tr>
<tr>
<td>11</td>
<td>GPMIN90 Mid profile, internal corner joint 90 degree, aluminium</td>
</tr>
<tr>
<td>11</td>
<td>GPMIN90MW Mid profile, internal corner joint 90 degree, matt white</td>
</tr>
<tr>
<td>11</td>
<td>GPMIN90MG Mid profile, internal corner joint 90 degree, matt graphite</td>
</tr>
<tr>
<td>12</td>
<td>GPMEND End caps for mid drawer profiles, pair, 1 left &amp; 1 right hand, aluminium</td>
</tr>
<tr>
<td>12</td>
<td>GPMENDMW End caps for mid drawer profiles, pair, 1 left &amp; 1 right hand, matt white</td>
</tr>
<tr>
<td>12</td>
<td>GPMENDMG End caps for mid drawer profiles, pair, 1 left &amp; 1 right hand, matt graphite</td>
</tr>
</tbody>
</table>

### VERTICAL profiles for TALL units

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>GPV4200END✝ Vertical profile (lateral), 4200x53.3x41mm, trim to size, aluminium</td>
</tr>
<tr>
<td>13</td>
<td>GPV4200ENDMW✝ Vertical profile (lateral), 4200x53.3x41mm, trim to size, matt white</td>
</tr>
<tr>
<td>14</td>
<td>GPV4200MID✝ Vertical profile (intermediate), 4200x71.6x41mm, trim to size, aluminium</td>
</tr>
<tr>
<td>14</td>
<td>GPV4200MIDMG✝ Vertical profile (intermediate), 4200x71.6x41mm, trim to size, matt graphite</td>
</tr>
<tr>
<td>15</td>
<td>GPVAPPFILL Plug/filler for appliance fittings, 580mm, aluminium</td>
</tr>
<tr>
<td>15</td>
<td>GPVAPPFILLMW Plug/filler for appliance fittings, 580mm, matt white</td>
</tr>
<tr>
<td>15</td>
<td>GPVAPPFILLMG Plug/filler for appliance fittings, 580mm, matt graphite</td>
</tr>
</tbody>
</table>

### Profiles for wall units

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>GPW3900 Profile for wall cabinets, 3900x19.6x20mm, aluminium</td>
</tr>
<tr>
<td>16</td>
<td>GPW3900MW Profile for wall cabinets, 3900x19.6x20mm, matt white</td>
</tr>
<tr>
<td>16</td>
<td>GPW3900MG Profile for wall cabinets, 3900x19.6x20mm, matt graphite</td>
</tr>
<tr>
<td>17</td>
<td>GPCWS3000SD Aluminium wall curved profile for 300x300mm small curved door</td>
</tr>
<tr>
<td>18</td>
<td>GPCWSIC600 Aluminium wall curved profile for 600x600mm internal curved wall unit</td>
</tr>
</tbody>
</table>

✝ Applicable 685mm high curved door sizes only available in Tomba.  
✝ These products replace GPV2250MID and GPV2250END.  
The new specification includes a wider trim profile to allow easier opening of slab doors. Rail profiles are now supplied in lengths of 4.2m and now require a void of 35mm between adjacent cabinets.
TOP profiles for base units

1  2  3  4  5  6  7  8  9

MID profiles for base units

10  11  12

VERTICAL profiles for TALL units

13  14  15

Profiles for wall units

16  17  18

STOCKED FINISHES

Aluminium  White  Graphite

* curved profiles only available in aluminium

COMPATIBLE DOOR RANGES

Porter  Tomba  Reclaimed Oak  Character Graphite  Unity

Order online www.pws.co.uk
PRODUCT RANGE OVERVIEW

A. WALL PROFILE FOR CABINETS
   Used for wall cabinet doors
   GPW3900
   3900x19.6x20mm

B. TOP RAIL PROFILE
   Top profile for doors
   GPT4100
   4100x56.5x27.2mm

C. VERTICAL PROFILE
   Vertical profile
   (intermediate)
   GPV4200MID
   4200x71.6x41mm

D. MID RAIL PROFILE
   Mid profile for drawers
   GPM4100
   4100x73x26mm

E. INTERNAL CORNER JOINT 90°
   For top profile
   GPTIN90
   External corner joint 90°

T: 01325 505599 (North) | 88 (South)
MID RAIL PROFILE
Mid profile for drawers
GPM4100
4100x73x26mm

TOP RAIL PROFILE
Top profile for doors
GPT4100
4100x56.5x27.2mm

VERTICAL PROFILE
Appliance Filler
GPVAPPFILL
580x16x41, Set size

VERTICAL PROFILE
Vertical profile
(intermediate)
GPV4200MID
4200x71.6x41mm
trim to size

VERTICAL PROFILE
Vertical profile
(lateral)
GPV4200END
4200x53.3x41mm
trim to size

Order online www.pws.co.uk
BASE UNITS

TOP RAIL PROFILE
GPT4100

• The top rail profile for base unit doors/drawers is available in straight lengths of 4.1m and in set curved sections.
• Lengths are cut down to size (using a circular chop saw) to fit the requested number of cabinets.
• Securing brackets to fit rail profiles to the cabinets must be ordered separately in sets of 25 pairs (GPFIXING).
• A range of accessories are available for the top rail profile including end caps (GPTEND), mid joint (GPTJOINT) an internal 90° corner (GPTIN90) and an external 90° corner (GPTEX90).

DIMENSIONS

FITTED RAIL DETAIL

ROUTING CABINET DETAIL

OVERALL CABINET DIMENSIONS

SEE PAGE 11 FOR DETAILS ON FITTING RAIL PROFILES TO CABINETS WITH SECURING BRACKETS (GPFIXING).
The mid rail profile for base unit drawers is available in straight lengths of 4.1m.

Lengths are cut down to size (using a circular/chop saw) to fit the requested number of cabinets.

Securing brackets to fit rail profiles to the cabinets must be ordered separately in sets of 25 pairs (GPFIXING).

An internal corner joint (GPMIN90) and end cap (GPMEND) are available separately.
BASE UNITS

INTEGRATING UNDER COUNTER APPLIANCES

• The top rail profile (GPT4100) can be used when planning a dishwasher into base cabinets.
• XXL dishwasher models cannot be used with rail profiles. It is recommended to use a dishwasher with a height range adjustment between 815 - 875mm for the appliance to sit under the rail.

NOTE: We recommend setting the plinth at 155mm for extra clearance.

INTEGRATED DISHWASHER DETAILS

UNDERMOUNTED OVEN APPLICATIONS

A top rail profile can not be used in conjunction with an under-mounted oven. Rails must stop on each side of the appliance. They can be finished with GPTEND & GPMEND end caps.

If using a freestanding appliance, end panels will need to be fitted either side of the appliance and the rail profile terminated against the panel.

ILLUSTRATION SHOWS AN EXAMPLE OF HANDLELESS RAIL PROFILES (WITH END CAPS) TERMINATING AGAINST AN OVEN.

FITTED RAIL DETAIL

Metal brackets (supplied with dishwasher) should be fixed to the outer face of adjacent cabinets. Please Note: an additional bracing baton may be required to the rear of the machine to help reduce movement.

If a draw pack is situated beside an integrated appliance, we recommend using the (GPMEND or GPTEND) end caps to stop any gaps.
Securing brackets (GPFIXING) are required to fit both top and mid rail profiles to cabinets and must be ordered separately to the rail profiles (supplied in packs of 50).

**FITTING TOP RAIL PROFILES**

Router cabinet gable ends for top rail profile and mark screw positions.

Screw securing brackets into place.

Slide ‘H’ connector into runner on back of rail trim, sit rail on routed gable ends and slide connector to clip into the securing bracket and hold rail in place.

**FITTING MID RAIL PROFILES**

Router cabinet gable ends for mid rail profile and mark screw positions

Screw securing brackets into place

Slide ‘H’ connector into runner on back of rail trim, sit rail on routed gable ends and slide connector to clip into the securing bracket and hold rail in place.

Order online www.pws.co.uk
WALL CABINETS
GPW3900

- Rail profiles for wall units are available in straight lengths of 3.9m as well as curved rail sections.
- Single straight rail lengths are cut down to size (using a circular chop saw) to fit between gables.

FITTING WALL RAIL PROFILES

The base panel of the wall unit needs to be set back 20.8mm to accommodate the rail profile within the overall depth of the cabinet.

A groove (3.2mm high, 8mm deep) must then be routed into the base panel using a slotting cutter.

The rail profile then slots into the routed groove (clear silicone adhesive should be used to bind the rail with the panel).
APPLIANCE/
LARDER UNIT

VERTICAL PROFILE (INTERMEDIATE)
GPV4200MID

• The vertical intermediate profile should be used in the scenario where two opening doors meet. Due to the width and placement of the trims, a 35mm spacer is required at the back between the two cabinets to maintain the space created by the trim.
• The front of the gables on the cabinets need to be set back by 20mm for the trim to overlap behind the doors.
• The trim is securely fixed to the cabinets with 4 x 30mm countersunk screws.

RAIL APPLICATION

RAIL APPLICATION BETWEEN TWO OPENING DOORS

When joining cabinets in larder runs, a spacer is needed at the back to maintain the 35mm void created by the trim profile. The spacer is screw fixed to the cabinets from the inside of each cabinet.

FITTING DETAIL

TOP TIPS:
1. TRY TO POSITION THE SCREW HOLES IN THE CABINET SO THEY ARE CONCEALED (SUCH AS BEHIND HINGE PLATES) WHEN INTERNAL COMPONENTS ARE ADDED.
2. WHEN PLANNING APPLIANCE HOUSINGS DON’T FORGET TO ALLOW 35MM BETWEEN UNITS WHERE ACCESS TO A HANDLE IS REQUIRED.

Order online www.pws.co.uk
APPLIANCE/LARDER UNIT

VERTICAL PROFILE (LATERAL)
GPV4200END

• The vertical lateral profile should be used in the scenario where you have an opening door to one side and don’t require access to a handle on the opposite side. It can also be used to end a run where an end panel or accessory is fitted.
• Due to the width and placement of the trims, a 35mm spacer is required at the back between the two cabinets and 66mm between cabinet and end panel/feature post based on 50mm post and 18mm panel.
• The front of the gable on the cabinet needs to be set back by 20mm for the trim to overlap behind the door.
• The trim is securely fixed to the cabinets with 4 x 60mm countersunk screws.

NOTE: THIS PRODUCT REPLACES GPV2250END. THE NEW SPECIFICATION INCLUDES A WIDER TRIM PROFILE TO ALLOW EASIER OPENING OF SLAB DOORS. RAIL PROFILES ARE NOW SUPPLIED IN LENGTHS OF 4.2M AND NOW REQUIRE A VOID OF 35MM BETWEEN ADJACENT CABINETS.

RAIL APPLICATION

RAIL APPLICATION BETWEEN OPENING DOOR AND END PANEL/POST

When joining cabinets in larder runs, a spacer is needed at the back to maintain the 35mm void created by the trim profile. The spacer is screw fixed to the cabinets from the inside of each cabinet.

FITTING DETAIL

TOP TIP: TRY TO POSITION THE SCREW HOLES IN THE CABINET SO THEY ARE CONCEALED (SUCH AS BEHIND HINGE PLATES) WHEN INTERNAL COMPONENTS ARE ADDED.
APPLIANCE FILLER RAIL

GPVAPPFILL

- Used to conceal the void behind an appliance when used in an appliance housing using vertical rail profiles
- Screw fixed into the cabinet gable
- 3No. pre-drilled, countersunk holes for ease of fitting
- Designed to fit seamlessly inside both Vertical Profiles GPV4200MID and GPV4200END
- Should the appliance require a screw fixing into the cabinet, the appliance filler can be drilled to accommodate the screws
- The trim can be cut down to suit different sized appliances and applications. When doing so, we recommend that the cut edge is treated with metal file to remove and sharp edges and is positioned out of the sight.

APPLIANCE FILLER RAIL SHOWN MOUNTED BEHIND APPLIANCE

FITTING DETAIL

DESIGNED TO MATCH BOTH VERTICAL PROFILES FOR A SEAMLESS LOOK AND SCREW-FIXED INTO THE CABINET.

TOP TIPS:
1. IT IS POSSIBLE TO DRILL THROUGH THE TRIM IF THE APPLIANCE REQUIRES A SCREW-FIXING INTO THE CABINET.
2. APPLIANCE PLUG SHOWN SET DOWN FROM THE TOP OF THE APPLIANCE BY 10MM. WHEN STACKING APPLIANCES, WE RECOMMEND LEAVING A 10MM GAP TO THE TOP AND BOTTOM OF BOTH APPLIANCES.

Screw-fix into cabinet gable using 3No. 4x12mm screws before installation of the appliance.
END CAPS/CORNER JOINTS

TOP PROFILE INTERNAL CORNER JOINT 90° (FOR USE WITH GPT4100)

GPTIN90
When applying a corner post or internal corner doors, a top internal corner joint is required for two top profiles to run into. The internal corner joint section is supplied with two screws which when in position secure the joint to the rail profiles.

TOP PROFILE EXTERNAL CORNER JOINT 90° (FOR USE WITH GPT4100)

GPTEX90
An external corner joint is available when running top rail profiles around an island or corner. The external corner joint is supplied with two screws, which when in position, secure the joint firmly to the rail profile.
**END CAPS TOP PROFILE, PAIR, LH/RH (FOR USE WITH GPT4100)**

GPTEND (L/R pair)

End caps can be used when top rail trims come to an end (e.g. against a wall, end panel next to appliances). A grub screw is supplied to attach the end cap firmly to the rail.

**TOP TIP: WHEN USING END CAPS, A 2MM SPACING MUST BE TAKEN IN TO ACCOUNT (WHEN CUTTING DOWN THE TRIM).**

**MID JOINT SECTION FOR TOP PROFILE (FOR USE WITH GPT4100)**

GPTJOINT

A mid joint section is available to hide joints in certain applications where two top rail profiles meet (e.g. when a straight rail profile meets a curved rail section or when you need to join the length).

**TOP TIP: WHEN USING MID JOINTS, A 5MM SPACING MUST BE TAKEN INTO ACCOUNT WHEN CUTTING DOWN THE RAIL PROFILES THAT ARE BEING JOINED AT EITHER SIDE.**

Order online www.pws.co.uk
END CAPS/CORNER JOINTS

MID PROFILE INTERNAL CORNER JOINT 90° (FOR USE WITH GPM4100)

GPM90
When joining two mid rail profiles in a corner application a mid profile internal corner joint is required for two mid profiles to run in to the internal corner joint. The internal corner joint is supplied with two screws which when in position secure the joint to the rail profiles.

END CAPS FOR MID DRAWER PROFILE, PAIR, LH/RH (FOR USE WITH GPM4100)

GPMEND
End caps can be used when mid rail trims come to an end (e.g. against a wall next to an end panel or next to appliances). A grub screw is supplied to attach the end cap firmly to the rail.
# APPLICABLE DOOR RANGES

Recessed rail profiles can be used with the following door ranges.

## PORTER

### STOCKED FINISHES

Prefix code for door range/colour shown in brackets.

<table>
<thead>
<tr>
<th>MATT</th>
<th>GLOSS</th>
</tr>
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<tbody>
<tr>
<td>WHITE (PMW)</td>
<td>WHITE (PW)</td>
</tr>
<tr>
<td>PORCELAIN (PMN)</td>
<td>PORCELAIN (PN)</td>
</tr>
<tr>
<td>CASHMERE (PMH)</td>
<td>CASHMERE (PH)</td>
</tr>
<tr>
<td>DOVE GREY (PMV)</td>
<td>DOVE GREY (PV)</td>
</tr>
<tr>
<td>SILVER GREY (PMG)</td>
<td>SILVER GREY (PG)</td>
</tr>
</tbody>
</table>

### PRODUCT INFORMATION

- **DOOR STYLE:** Slab
- **DOOR THICKNESS:** 18mm
- **SPECIFICATION:** MDF with melamine reverse
- **FINISH:** Painted, matt/gloss lacquer

### DOOR FINISH BOARD MATCH

- ALABASTER: Egger U104
- BEIGE: Egger U156, Kronospan U119
- CASHMERE: Egger U702
- DOVE GREY: Egger U708
- GRAPHITE: Egger U961
- PORCELAIN: Egger W1200, Kronospan 101
- SILVER GREY: Egger U765
- WHITE: Egger W1000

### STOCKED FINISHES

Prefix code for door range/colour shown in brackets.

- (PMG) GRAPHITE
- (PMH) CASHMERE
- (PMI) DOVE GREY
- (PMW) WHITE
- (PMN) PORCELAIN
- (PMV) ALABASTER
- (PMR) BEIGE
- (PMJ) CASHMERE

**FEATURED IN:**

Recessed rail profiles can be used with the following door ranges.

Order online www.pws.co.uk

**Leadtime:** 21 working days (for orders placed before 12 noon Wednesday cut off)

Order online www.pws.co.uk
DOOR RANGES OVERVIEW

TOMBA

AVAILABLE IN OUR PAINT-TO-ORDER PALETTE

GLOSS WHITE SHOWN

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOOR STYLE</td>
<td>Handleless slab with reverse chamfer edge profile</td>
</tr>
<tr>
<td>DOOR THICKNESS</td>
<td>22mm</td>
</tr>
<tr>
<td>SPECIFICATION</td>
<td>MDF, over-lacquered</td>
</tr>
<tr>
<td>FINISH</td>
<td>Painted, gloss lacquer (Matt &amp; Gloss available in Paint-to-order)</td>
</tr>
</tbody>
</table>

FEATURED IN: BioGraphy

AVAILABLE IN OUR PAINT-TO-ORDER PALETTE

PRODUCTION LEAD TIME

21 WORKING DAYS LEADTIME
(for orders placed before 12 noon Wednesday cut off)

T: 01325 505599 (North) | 88 (South)
FEATURE MODERN DOORS

STOCKED FINISHES
Prefix code for door range/colour shown in brackets.

FEATURE DOORS

CHARACTER GRAPHITE (CG) RECLAIMED OAK (OA)

PRODUCT INFORMATION

DOOR STYLE: Slab feature door
DOOR THICKNESS: 18mm
SPECIFICATION: MFC, textured laminated board
FINISH: Synchronised woodgrain effect (vertical grain direction)

DOOR FINISH BOARD MATCH
CHARACTER GRAPHITE Egger H3452 ST36
RECLAIMED OAK Egger H1180 ST37

Order online www.pws.co.uk
UNITY

COLOUR OPTIONS & FINISHES
All available in made-to-measure sizes

GLOSS COLOURS

PURE WHITE  CASHMERE  LIGHT GREY  DAKAR

GLOSS METALLIC FINISHES

FJORD METALLIC  GRAPHITE METALLIC  GOLD METALLIC

GLOSS WOODGRAIN EFFECT

SMOKED ASH

SUPERMATT COLOURS

PURE WHITE  CASHMERE  LIGHT GREY  STEEL GREY

LAVA  GRAPHITE  FJORD

PRODUCT INFORMATION

DOOR STYLE:  Slab
DOOR THICKNESS:  18mm
SPECIFICATION:  MDF

COVERING MATERIAL/ FINISH
Gloss Colours & Metallic: Acrylic front face with matching matt PVC reverse.
Supermatt: Perfect Touch matt PVC front face, matching matt reverse (Steel Grey has acrylic front face).
Smoked Ash Woodgrain: Gloss PVC front face, silver matt reverse.

Notes:
Metallic colours have a directional finish as indicated by arrows on the protective film. Arrows should all face in the same direction when fitting. Drilling must be specified left or right hand with metallic doors.

EDGE OPTIONS

UNITY made-to-measure is available in 2 edge options.

Matching AirTech Edge  Two-Tone 3D glass effect

NOTES:
• Supermatt finishes are available in a matching edge only
• End panels are edged all 4 sides as standard and are supplied in matching edge only
• Pelmet & plinth are edged on one long side only with a matching edge.

FEATURED IN:  SMOKED ASH  GLOSS WOODGRAIN EFFECT  PURE WHITE  CASHMERE  LIGHT GREY  STEEL GREY  LAVA  GRAPHITE  FJORD  FJORD METALLIC  GRAPHITE METALLIC  GOLD METALLIC

T: 01325 505599 (North) I 88 (South)
RECESSED RAIL SYSTEM COLOUR OPTIONS

STOCKED FINISHES

Aluminium  White  Graphite

ALUMINIUM

WHITE

GRAPHITE
FLUSH RAIL SYSTEM
PRODUCT RANGE OVERVIEW

The Flush Rail Profile is designed to sit flush to the front of the cabinet, using the same cabinet router detail as the recessed handleless rail and should only be specified on doors with a reverse chamfer.

<table>
<thead>
<tr>
<th>TOP rail profile</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>***TP3000 Flat Horizontal trim TOP profile for base units for use with chamfer door - 3000x57x26.5mm</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>***TP3000RYE Flat Horizontal trim TOP profile for base units for use with chamfer door - 3000x57x26.5mm, rye oak</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MID rail profile</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>***MP3000 Flat Horizontal trim MID profile for base units for use with chamfer door - 3000x72x26.5mm</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>***MP3000RYE Flat Horizontal trim MID profile for base units for use with chamfer door - 3000x72x26.5mm, rye oak</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VERTICAL trim profiles</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>***VPI3000 Vertical trim profile, Intermediate - 3000x71x41mm</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>***VPI3000RYE Vertical trim profile, Intermediate - 3000x71x41mm, rye oak</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>***VPL3000 Vertical trim profile, lateral - 3000x53x41mm</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>***VPL3000RYE Vertical trim profile, lateral - 3000x53x41mm, rye oak</td>
</tr>
</tbody>
</table>

When ordering use the following pre-fix codes:

- Colour: Chalk - ELC, Partridge Grey - ELG, Stone - ELS

STOCKED FINISHES

- Chalk
- Partridge Grey
- Stone
- Rye

PAINT-TO-ORDER

- Primed

DOOR RANGES

* Flush Rail Profiles can also be used with our Tomba door range. Subject to designers discretion.

Ellerton

T: 01325 505599 (North) | 88 (South)
FLAT HORIZONTAL TRIM MID PROFILE
For base units for use with chamfer door
MP3000
3000x57x26.5mm

FLAT HORIZONTAL TRIM TOP PROFILE
For base units for use with chamfer door
TP3000
3000x72x26.5mm

VERTICAL TRIM PROFILE
Intermediate
VPI3000
3000x71x41mm

VERTICAL TRIM PROFILE
Used between cabinet and feature end post or panel, on instances where the door is hinged on the opposite side.
VPL3000
3000x53x41mm

* Not shown on image

Order online www.pws.co.uk
When using a standard base unit, the top panel and gables of the cabinet need to be modified from standard cabinet construction.

- The top panel needs to be set back by 27mm
- Both gables of the cabinet need to be routered (details shown below). We suggest using a 10mm router cutter in order to achieve the required 5mm internal radius. This corresponds to the radius on the flat Top Rail Profile.

When planning base units with a 685mm door, the top panel and gables of the cabinet need to be modified from the standard cabinet construction.

- The top panel needs to be set back by 27mm
- Both gables of the cabinet need to be routered (details shown below). We suggest using a 10mm router cutter in order to achieve the required 5mm internal radius. This radius corresponds to the radius on the Top Rail Profile.
BASE UNITS

MID RAIL PROFILES - DRAWER PACK
MP3000

When using a standard base unit, the top panel and
gables of the cabinet need to be modified from standard
cabinet construction.

- The panel needs to be set back by 27mm
- Both gables of the cabinet need to be routered (details
down below). We suggest using a 10mm router cutter
in order to achieve the required 5mm internal radius.
  This corresponds to the radius on the flat Mid Rail Profile.

MID RAIL CABINET SECTION DETAIL

This illustration shows a 3 drawer set. For a 2 drawer,
please replace the 160mm drawer fronts for 325mm
drawer fronts. Modifications to the cabinet are the
same as above.

ROUTING CABINET DETAIL

Both cabinet gables notched at the dimensions shown

Order online www.pws.co.uk
BASE UNITS

MID RAIL PROFILES - DRAWER PACK
MP3000

When using a standard base unit, the top panel and gables of the cabinet need to be modified from standard cabinet construction.

- The top panel needs to be set back by 27mm
- Both gables of the cabinet need to be routered (details shown below). We suggest using a 10mm router cutter in order to achieve the required 5mm internal radius. This corresponds to the radius on the flat Mid Rail Profile.

MID RAIL CABINET SECTION DETAIL

Cabinet top panel set back by 27mm

5mm Radius
5mm Radius
5mm Radius

Both cabinet gables notched at the dimensions

ROUTING CABINET DETAIL
INTEGRATING UNDER COUNTER APPLIANCES

INTEGRATED DISHWASHERS

Integrating an under counter dishwasher requires consideration when selecting your appliance.

XXL Dishwasher models cannot be used with the Flush Rail Profiles.

We recommend using dishwashers with a height range adjustment of between 815 - 855mm.

TOP TIP: SET THE PLINTH AT 155MM AND WIND THE DISHWASHER DOWN TO THE LOWEST SETTING FOR EASE OF INSTALLATION.
BASE UNITS

UNDERMOUNTED OVEN APPLICATION

UNDER COUNTER APPLIANCES

If the appliance permits, wind the legs down to the lowest setting and use with a 685mm door beneath the Flush Top Rail Profile. Note: Shown below as an integrated fridge/freezer. The same principles apply for washing machines and tumble dryers.

APPLIANCE HOUSINGS

If the appliance does not permit, we recommend incorporating the appliance into a housing and using with the Vertical Rail Profiles and a 715mm door (with vertical handle), as shown below.

UNDER COUNTER OVENS

For under counter oven applications, we recommend stopping the Flush Top Rail Profile where they meet the oven. A panel should be used either side of the oven which will protect any cut edges of the rail.

T: 01325 505599 (North) | 88 (South)
WALL CABINETS

There is no specific rail profile for wall units. Unlike the Recessed Rail profiles, there is no requirement to modify the base panel of the cabinet when using the Flush Rail system and should be treated as a standard lay-on doors.

WALL UNIT DETAIL

Order online www.pws.co.uk
When planning larder units and appliance housings, the cabinet gables need to be set back by 20mm, allowing the Vertical Rail Profiles to sit flush to the front of the cabinet.

**TOP TIP: IT IS NOT NECESSARY TO MODIFY THE TOP OR BOTTOM PANEL OF THE CABINET.**

VERTICAL LATERAL TRIM PROFILE

Stepping the gable back by 20mm allows the flat rail profile to fit flush to the front of the cabinet.

*35mm spacing between cabinets*
VERTICAL PROFILES INTERMEDIATE

VP13000

Both the Vertical Intermediate Rail Profile and Vertical Lateral Rail Profile should be installed using the same basic principles and tools.

Simply locate the profile into the position and screw through the cabinet gable and into the rail profile to secure in place.

TOP TIP: FOR A HIGH QUALITY FINISH, WE RECOMMEND HIDING THE SCREWS BEHIND HINGE PLATES WHERE THE SCREWS WILL NOT BE VISIBLE.

VERTICAL INTERMEDIATE RAIL PROFILE

PLAN VIEW OF LARDER

VERTICAL INTERMEDIATE TRIM PROFILE

Stepping the gable back by 20mm allows the flat rail profile to fit flush to the front of the cabinet.

Order online www.pws.co.uk
TOP AND MID PROFILE INSTALLATION

All trim profiles featured in Ellerton can be installed using traditional joinery methods and no specific fixing is required.

We recommend using the following L shaped corner brackets:

- A162B
- A150
- SP156
- SP161

FLAT HORIZONTAL TRIM, TOP PROFILE FOR BASE UNITS

Position the ‘L’ shaped bracket at each side of the cabinet; flush with the front of the routered profile. Screw fix into the cabinet gable and then into the top profile.

Alternatively, fix the bracket onto the reverse of the rail first and then screw fix into the cabinet.

FLAT HORIZONTAL TRIM, MID PROFILE FOR BASE UNITS

Position the ‘L’ shaped brackets at each side of the cabinet; flush with the front of the routered profile. Repeat this for the Mid Rail. Screw fix into the cabinet gable and then into the top and mid profiles.

Alternatively, fix the brackets onto the reverse of the rails first and then screw fix into the cabinet.

T: 01325 505599 (North) | 88 (South)
INTERNAL CORNERS

External corners should be mitred using Top and Mid Rail Profiles.

ASSEMBLED

EXPLODED

EXTERNAL CORNERS

ASSEMBLED

EXPLODED

APPLICABLE DOOR RANGES
Flush rail profiles can be used with the following door ranges.

ELLERTON

STOCKED FINISHES
Prefix code for door range/colour shown in brackets.

PRODUCT INFORMATION

DOOR STYLE: One piece handleless Shaker with reverse chamfer
DOORTHICKNESS: 18mm (shallow centre panel)
SPECIFICATION: HDF with melamine reverse
FINISH Smooth matt painted (primed door unfinished, ready to paint)

<table>
<thead>
<tr>
<th>DOOR FINISH</th>
<th>BOARD MATCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHALK</td>
<td>Egger W980, Kronospan K101</td>
</tr>
<tr>
<td>PARTRIDGE GREY</td>
<td>We suggest a contrasting finish or walnut woodgrain effect board</td>
</tr>
<tr>
<td>STONE</td>
<td>We suggest a contrasting finish or walnut woodgrain effect board</td>
</tr>
</tbody>
</table>

21 WORKING DAYS LEADTIME (for orders placed before 12 noon Wednesday cut off)
TOMBA

AVAILABLE IN OUR PAINT-TO-ORDER PALETTE

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>DOOR STYLE:</th>
<th>Handleless slab with reverse chamfer edge profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOOR THICKNESS:</td>
<td>22mm</td>
</tr>
<tr>
<td>SPECIFICATION:</td>
<td>MDF, over-lacquered</td>
</tr>
<tr>
<td>FINISH:</td>
<td>Painted, gloss lacquer (Matt &amp; Gloss available in Paint-to-order)</td>
</tr>
</tbody>
</table>

FEATURED IN:

Order online www.pws.co.uk

21 WORKING DAYS LEADTIME
(for orders placed before 12 noon Wednesday cut off)

AVAILABLE IN OUR PAINT-TO-ORDER PALETTE

GLOSS WHITE SHOWN

FEATURED IN:

Order online www.pws.co.uk

21 WORKING DAYS LEADTIME
(for orders placed before 12 noon Wednesday cut off)
FLUSH RAIL SYSTEM COLOUR OPTIONS

STOCKED FINISHES

Chalk  Partridge Grey  Stone  Rye

PAINT-TO-ORDER

Primed

CHALK

RYE

STONE

SILVER GREY (PTO)

T: 01325 505599 (North) | 88 (South)
KITCHEN FASCIA MATRIX FOR HANDLELESS RAIL SIZES

This matrix can be referred to when planning Porter, Porter PtO, Tomba and Ellerton.
Availability varies between ranges.

**APPLIANCE HOUSING DOORS**

Ellerton and Tomba door ranges include doors with vertical handle profiles for use in appliance and larder applications.
DOOR COMBINATIONS FOR HANDLELESS RAIL
Applicable to Porter, Tomba and Ellerton

Suggested Gloss White Handleless door/drawer combinations to be used with appliances (600mm wide)

<table>
<thead>
<tr>
<th>Installation Height</th>
<th>Fridge/freezer at tall installation height</th>
<th>Single oven with microwave or coffee maker at tall installation height</th>
<th>Double oven at tall installation height</th>
<th>Microwave, coffee maker or combination oven at tall installation height</th>
</tr>
</thead>
<tbody>
<tr>
<td>1245</td>
<td>1245</td>
<td>1245</td>
<td>1245</td>
<td>1245</td>
</tr>
<tr>
<td>900</td>
<td>900</td>
<td>900</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>715</td>
<td>715</td>
<td>715</td>
<td>715</td>
<td>715</td>
</tr>
<tr>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation Height</th>
<th>Single oven with microwave or coffee maker at medium installation height</th>
<th>Double oven at medium installation height</th>
<th>Single oven with microwave or combination oven at medium installation height</th>
<th>Microwave, coffee maker or combination oven at medium installation height</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 (plinth)</td>
<td>150 (plinth)</td>
<td>150 (plinth)</td>
<td>150 (plinth)</td>
<td>150 (plinth)</td>
</tr>
<tr>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
<td>Fillers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation Height</th>
<th>Horizontal door/trim application</th>
<th>Single oven, microwave, coffee maker or combination oven at studio installation height</th>
</tr>
</thead>
<tbody>
<tr>
<td>1245</td>
<td>1245</td>
<td>1245</td>
</tr>
<tr>
<td>900</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>715</td>
<td>715</td>
<td>715</td>
</tr>
</tbody>
</table>

*♣ Only available in Porter
✝ Only available in Tomba
✻ Only available in Ellerton*
CONTACT US

THE EASIEST WAY TO ORDER IS ON TRADEZONE - WWW.PWS.CO.UK

NORTHERN TEAM
Telephone: 01325 505599
Fax: 01325 505598
Email: north@pws.co.uk

SOUTHERN TEAM
Telephone: 01325 505588
Fax: 01325 505589
Email: south@pws.co.uk

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8am - 5pm Friday

TRADE COUNTER OPEN
7am - 5pm Monday - Friday