

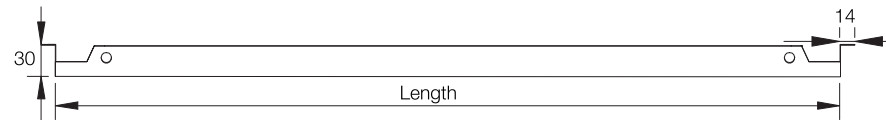
## Orcal Fastrak (330)

### For use with C-Profile suspension system

This Technical Data Sheet is offered as an aid to the specification of our products and provides information on the tiles manufactured at our European production facilities.

Orcal planks with Standard Perforation and Microperforation are available with factory applied black acoustic fleece, whilst Orcal tiles with Extra Microperforation are always supplied with factory applied black acoustic fleece. Orcal tiles can also be made available to order with Premium B15 infill.

Please contact Armstrong Internal Technical Sales Group for further details.



Width – Variable between 230mm to 500mm  
 Length – From 900mm to 3000mm

The dimensions shown for the external return on the short end are typical for a standard Fastrak product (330). If there is a requirement for the panel to be able to be hung on the C-profiles in the vertical plane for access to the plenum, then the short end external return will be approximately 19mm to allow for this functionality. This modified product (331) is available as a specifiable option.

A 3mm black gasket can be specified as a factory fitted option. This can be applied to either 1 long edge or 1 long edge and both short edges. For product feasibility outside these sizes or for other options, then please contact ITS.

Availability of products may vary according to country. Please contact your local Armstrong office for Product range information.

<b>Material</b>	Products are manufactured from zinc coated mild steel. Steel gauge dependent on product size.
<b>Finish</b>	Factory applied polyester powder coat, minimum thickness 55 microns.
<b>Colour</b>	Standard: RAL 9010 & 'Global White' Semi-Standard: RAL 9001, RAL 9002, RAL 9006, RAL 9007, RAL 9016 Other colours are available as special order items.
<b>Gloss</b>	RAL 9010 : 20% Global White : 20% Semi-Standard : 30% Measured in accordance with ISO 2813:2000, use 60° geometry.

Light Reflectance	Pattern	RAL 9010	Global White
	Plain (unperforated)	87%	77%
	Extra Microperforation with black fleece	85%	76%
	Microperforation with black fleece	71%	63%
	Standard Perforation with black fleece	75%	68%

Measured in accordance with ASTM 1477-98.

Perforations	Standard Perforation 2.5mm dia.holes 16% open area	Microperforation 1.5mm dia. holes 22% open area	Extra Microperforation 0.7mm dia. holes 1% open area
	Other perforations are available as special order items. Please contact ITS for options and capabilities.		

All measurements are in millimetres.

## Fastrak Layout & Grid components

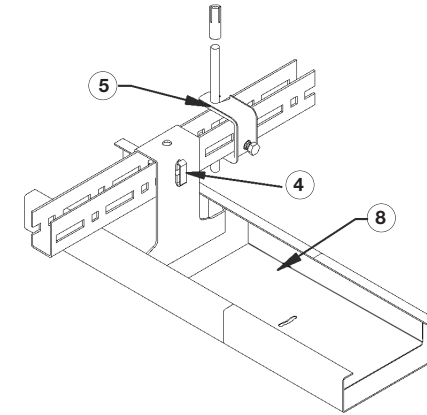
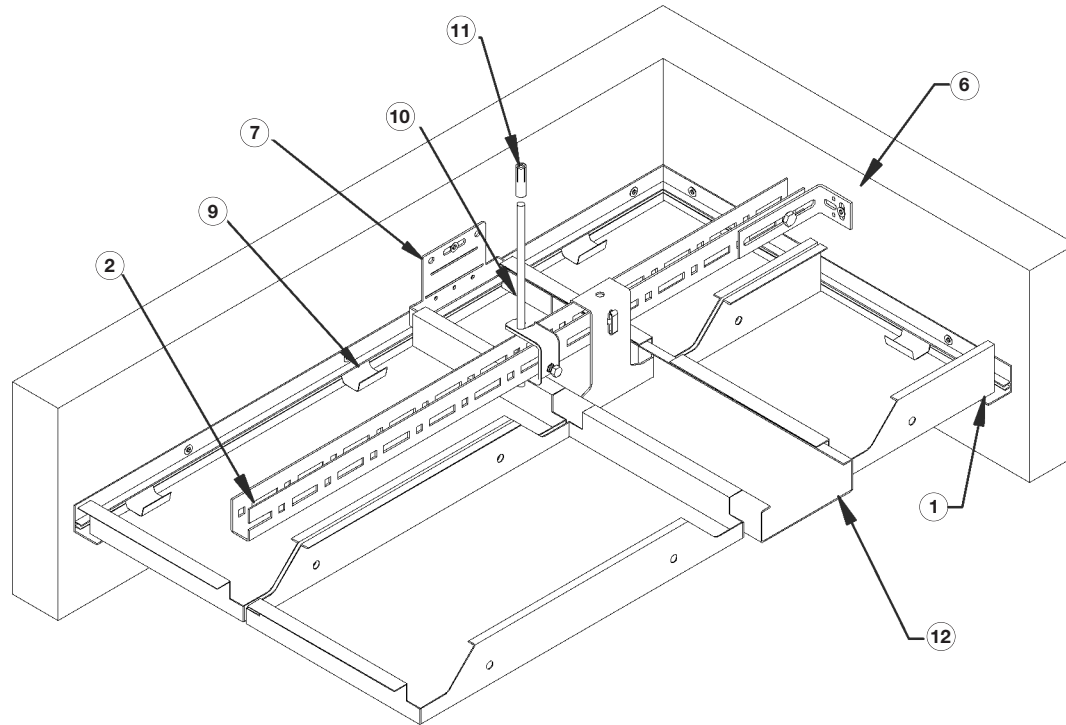
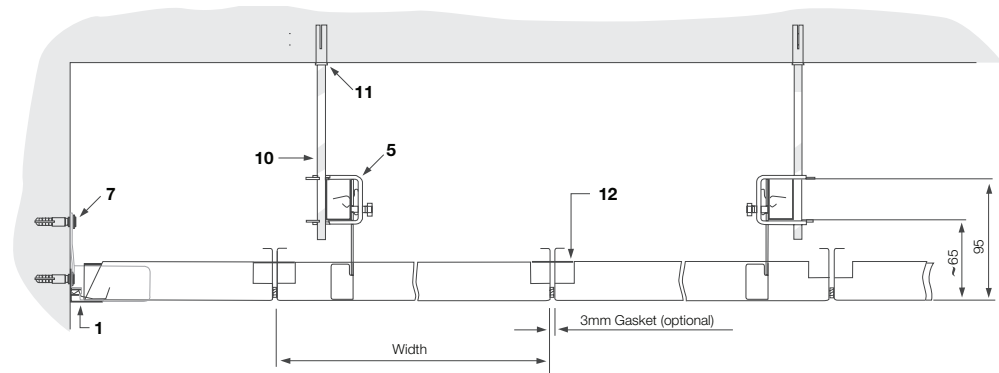
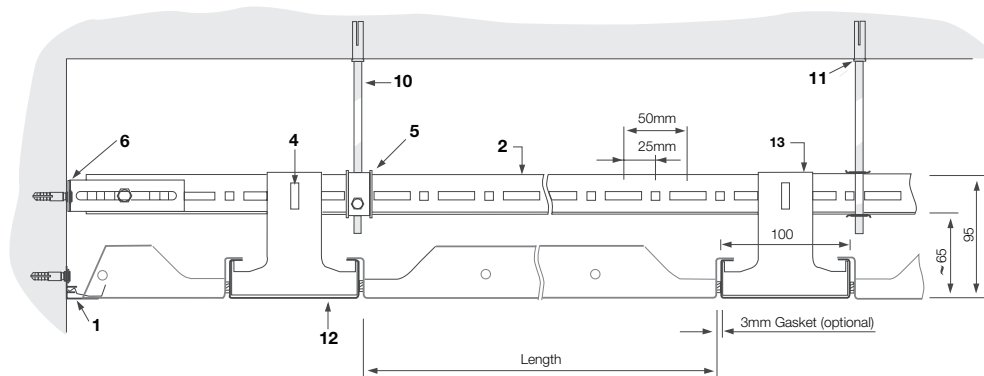


Fig.	Item No.	Description
1	BPM215013	Wall Angle
2	BPM300100	U-Profile
3	BPM300119	U-Profile Connector
4	BPM300120	Plug-In Clip
5	BPM300121	Clamping Bracket
6	BPM300140	Wall Anchor
7	BPM300144	C-Profile Wall Hanger

Fig.	Item No.	Description
8	BPM311067	C-Profile Connector
9	BPM311081	Pressure Spring
10	BPM311099	Threaded Rod
11	BPM311111	Expansion Bolt
12	BPM215500	C-Profile
13	BPM300118	C-profile hanger

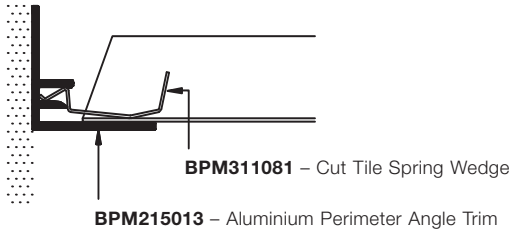
## Fastrak Side & End detail



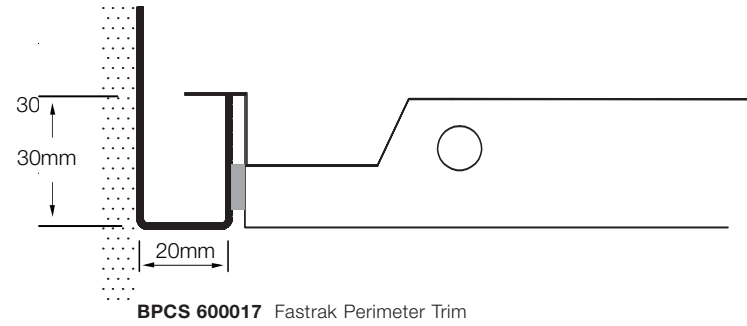
All measurements are in millimetres.

## Perimeter Solutions

Cut Tile



Full Tile

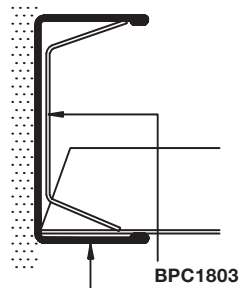


10 mm

15 mm

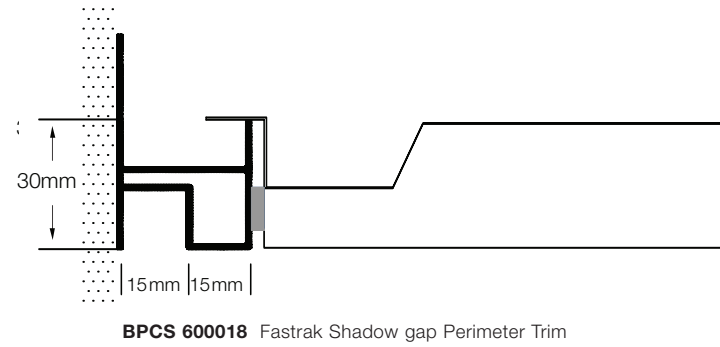
**BPM311081**

**BPM215015** – Aluminium Shadowline Trim



**BPT2040HWRA** – Perimeter Channel and perimeter wedge for cut modules

Cut tile wedges **BPM311081** and **BPC1803**, 1 piece per 300mm of perimeter trim is recommended



**Acoustic Performance****Sound Absorption ( $\alpha_w$ )**

	Acoustic fleece	Premium B15 infill
Standard Perforation	0.70 (L)	0.60 (H)
Microperforation	0.75 (L)	0.60 (H)
Extra Microperforation	0.55 (L)	0.65 (L)

**No acoustic infill ( $\alpha_w$ )**

Plain 0.10(L)

**Room-to-room sound attenuation (Dncw)**

	Acoustic fleece	Premium B15 infill
Standard Perforation	20 dB	41 dB
Microperforation	20 dB	41 dB
Extra Microperforation	30 dB	40 dB
Plain	–	47 dB

**No acoustic infill (Dncw)**

Plain 44 dB

A range of acoustic infills is available to achieve various acoustic performance levels. For further information please contact Armstrong Internal Technical Sales Group.

**Tile Loading**

Orcal tiles are capable of directly supporting limited additional loads from small service fittings. The maximum total uniformly distributed static load that can be applied to the rear of a 600x600mm tile should not exceed 3kg. The use of a patrix is recommended to distribute the load and to minimise face deflection of the tiles. Loads greater than 3kg should be independently suspended or supported from the primary grid. The maximum distributed static load that can be carried by the grid system should not exceed 10 kg/m<sup>2</sup>. (Applies to standard ladder formation with main runners and hangers at 1200mm centres.)

**Services Integration**

Orcal tiles can be supplied with factory produced cut outs and apertures for the integration of lighting fittings, air grilles, sprinklers, and other building services equipment.

**Handling and Storage**

Ceiling components should be stored under conditions of use in a dry interior location and should remain in cartons until installation. Cartons should be stacked and oriented as shown on the carton. Care must be exercised during handling and opening of cartons to avoid damage. The use of soft cotton gloves is recommended for tile installation.

**Environmental**

Our metal ceilings have an average of 25% recycling content. ISO 14001:2004 certified process.

**United Kingdom**  
**Republic of Ireland**

Armstrong World Industries Ltd.  
 Building Products Division  
 Armstrong House  
 38 Market Square  
 Uxbridge UB8 1NG

**0800 371849 (UK)** **FREEPHONE**
**1800 409002 (ROI)**

Fax: +44 (0) 1895 274287  
 www.armstrong-ceilings.co.uk  
 www.armstrong-ceilings.ie  
 sales-support@armstrong.com

**Other markets: www.armstrong-europe.com**
**Thermal Conductivity**

( $\lambda$ ) W/mK  
 50.0 : Steel  
 0.04 : Acoustic fleece

**Humidity Exposure**

Not greater than 70% RH @ 16°-23°C for long term exposure. Not greater than 95% RH for short term exposure during building site installation.

**Fire Reaction****Plain without acoustic infill**

EEA Euroclass A1 (RAL 9010)

EEA Euroclass A2-s2, d0 (other colours)

**No acoustic infill**Perforated  $\phi \leq 2.5$  mm

EEA Euroclass A1 (RAL 9010)

EEA Euroclass A2-s1, d0 (other colours)

**With acoustic Fleece, ABBTF pad or B15 infill**Perforated  $\phi \leq 2.5$  mm (acoustic fleece)

EEA Euroclass A2-s2, d0

Perforated  $\phi \leq 2.5$  mm (ABBTF pad)

EEA Euroclass A1

Perforated  $\phi \leq 2.5$  mm (Premium B15 infill)

EEA Euroclass A2-s1, d0

**Weight**5 kg/m<sup>2</sup> – Steel tile**Field Cutting**

Orcal tiles can be cut using tin snips, electric sheet metal shears or band/jig saw. Care must be exercised to avoid damage to the painted surface, bending or distortion of the tiles.

**Cleaning**

Dust should be removed from the painted surface by wiping with a clean soft cloth. More stubborn marks should be removed with a mild household detergent in warm water. Excessive use of water should be avoided. The use of abrasive cleaners or scrubbing of the painted surface is not recommended.

**Quality Standard**

Armstrong is a certified ISO900:200 Quality Assumed Manufacturer. All tiles and products are manufactured to tolerances and quality standards in accordance with EN13964. Where differences exist between this and any expressed or implied architectural specifications or requirements than Armstrong's manufacturing standards will prevail unless stated otherwise.

Detailed NBS K40 specifications are available for these products, please contact Armstrong Internal Technical Sales Group for further details. All product specifications are subject to modifications without prior notice.