Designer Block™ Guide

Designer Block Pre-sealing Technology

Designer Block products utilise the latest pre-sealing technology to reduce water absorption, and hence reduce the possibility of efflorescence, mould or mildew staining.

Designer Block products are suitable for loadbearing and non-loadbearing walls.

Designer Block Contemporary Colours

for External and Internal Walls

The colour palette has been developed in consultation with designers and offers a broad and co-ordinated range.

The Designer Block colour palette provides the flexibility of many colour combinations essential for the popular composite building styles that require varying finishes and materials.

Choose from a palette of contemporary colours and bold textures or customise to create an individual look. (Please note longer lead times and surcharges may apply for this service).
Designer Block Textures

**Smooth Face**
A finely textured finish created through the standard moulding process.

**Shot-Blast Face**
This process subtly exposes the aggregates, producing a finish like weathered ground stone.

**Honed Face**
The honing process grinds 2-3mm from the block surface, producing a matt exposed-aggregate finish, like sawn stone.

**Polished Face**
This involves producing a denser block which is honed and then buffed. Polishing enriches the colour of the aggregates. The finely finished polished surface is ideal for feature walls, trim and banding.

**Split Face**
The splitting process produces a bold textured, exposed aggregate finish.

**Block Ends**
Honed, Shot-Blast or Polished finishes are available on the end of blocks for corners, openings and free ends.
Essential Colours

<table>
<thead>
<tr>
<th>Smooth Face</th>
<th>Shot-Blast Face</th>
<th>Honed Face</th>
<th>Polished Face</th>
<th>Split Face</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabaster</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Almond</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pearl Grey</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charcoal</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Availability & Quantities

- Lead times apply to all coloured blocks. Longer lead times apply to Honed, Polished and Shot-Blast finishes.
- No minimum order quantities apply to Essential Colours.
- Boral recommends part size blocks are cut/bolstered on-site to maintain colour consistency.
- Blocks can be made-to-order.

Colour & Texture Variations

- The colours shown in this brochure are provided as an indication of the colours and textures available. Some variations in colour may occur due to changes in raw materials. In addition, variation can occur between production batches. Please ask to see a sample of your chosen colour/texture before specifying or ordering.
INTRODUCTION
Designer Block is suitable for internal and external walls in loadbearing and non-loadbearing applications. They are popular for feature face applications in double leaf construction.

FACE TEXTURES
Designer Block is available with the following face texture finishes:
• Smooth Face
• Honed Face
• Shot-Blast Face
• Polished Face
• Ends—Honed, Shot-Blast or Polished finishes. Refer to pg 3 for detailed description.

COLOURS
Designer Block units are available in a range of standard colours. Please refer to page 4 for additional information.

Customised colours and textures are also possible. Please note that extended lead times and minimum order quantities may apply.

Specifications

<table>
<thead>
<tr>
<th>Code</th>
<th>Product Description</th>
<th>MPa</th>
<th>Wt kg</th>
<th>No/Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.01</td>
<td>Full</td>
<td>15</td>
<td>9.8</td>
<td>158</td>
</tr>
<tr>
<td>15.01</td>
<td>Full (made-to-order)</td>
<td>15</td>
<td>13.3</td>
<td>95</td>
</tr>
<tr>
<td>15.42</td>
<td>Recessed Web</td>
<td>15</td>
<td>13.3</td>
<td>95</td>
</tr>
<tr>
<td>20.01</td>
<td>Full</td>
<td>15</td>
<td>15.9</td>
<td>90</td>
</tr>
<tr>
<td>20.42</td>
<td>Recessed Web</td>
<td>15</td>
<td>15.3</td>
<td>90</td>
</tr>
<tr>
<td>50.31</td>
<td>Capping</td>
<td>15</td>
<td>6.2</td>
<td>300</td>
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</table>

* Supplied as 220 double units. Bolster on-site to achieve 440 units per pallet.

Availability
• Lead times apply to all coloured blocks.
• Part size blocks are best cut/bolstered on-site to maintain colour consistency. Part size blocks can be made-to-order.
INTRODUCTION
Designer Block Split Face is suitable for internal and external walls in loadbearing and non-loadbearing applications.

Designer Block Split Face is produced in three block thicknesses, Series 100 (95mm thickness), Series 150 (145mm thickness) and Series 200 (195mm thickness).

FACE TEXTURES
- Split Face - The splitting process produces a bold textured surface resulting in characteristics much like split natural stone.

COLOURS
Designer Block units are available in a range of standard colours. Please refer to page 4 for additional information.

Customised colours are also possible. Please note that extended lead times and minimum order quantities may apply.

DESIGN NOTES
One in three 10.101 blocks delivered will be half solid to enable on-site bolstering to create split face textures at sides of openings and corners where required. Splitting details are on pages 7 to 10.

When designing with split face blocks, special consideration should be given to the distances between openings and between corners and openings to facilitate the bolstering of block ends where required.

Availability
- Lead times apply to all coloured blocks.
- Part size blocks are best cut/bolstered on-site to maintain colour consistency. Part size blocks can be made-to-order.

### Specifications

<table>
<thead>
<tr>
<th>Code</th>
<th>Product Description</th>
<th>MPa</th>
<th>Wt kg</th>
<th>No/Pallet</th>
</tr>
</thead>
<tbody>
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<td>10.101</td>
<td>Full</td>
<td>15</td>
<td>15.5</td>
<td>120</td>
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<tr>
<td>10.109</td>
<td>Half Height</td>
<td>15</td>
<td>7.6</td>
<td>240</td>
</tr>
<tr>
<td>20.101</td>
<td>Full</td>
<td>15</td>
<td>18.35</td>
<td>90</td>
</tr>
</tbody>
</table>
Series 100 Corner Details

One third of 10.101 blocks are half solid.

10.01 bolstered on-site

Fig 1 — Corner Bonding Details
Series 100 Split Face Designer Block

Series 150 Corner Details
for Unreinforced Walls

One unit in four is half-solid, for end splits.

15.01 cut on-site to maintain bond

Fig 2 — Corner Bonding Details
Series 100 Feature Face Designer Block

Fig 3 — Corner Bonding Details
15.121 Split Face Corner

Fig 4 — Corner Bonding Details
Series 150 Feature Face Designer Block
Series 100 Installation Details

Fig 6 — 45º Acute Corner
Series 100 Split Face Designer Block

Fig 5 — 45º Corner
Series 100 Split Face Designer Block

Fig 7 — Sill Detail with Smooth Face Sill
Series 100 Split Face Designer Block

Capping piece 50.31 split to width if required,
set on mortar bed

Split face block 10.101 (95mm)

Fig 8 — Sill Detail with Capping Piece
Series 100 Split Face Designer Block

Fig 9 — Sill Detail with Raked Paver
Series 100 Feature Face Cavity Wall

ALTERNATE COURSES

267mm 47mm

10mm 67mm

538mm

390mm 14mm 134mm 95mm

10mm

338mm

Cut on-site

Bolster on-site

338mm

Cut on-site

Bolster on-site

538mm

ALTERNATE COURSES

10.101 block
with 3 saw cuts makes 2 sill blocks (cut on site)

10.101 laid on cut face

70mm

35mm

10.101

Flashing

10.71

10.01

10.01 10.01

10.01

Paver (cut to suit)

10.01

10.01

10.01

10.01

Bolster

on-site

on-site

on-site

on-site
Series 200 Installation Details

Fig 10 — Sill Detail - Single Skin Series 200 Split Face Designer Block

Fig 11 — Corner Bonding Details Series 200 Split Face Designer Block

Fig 12 — Face Lintel Detail with 1800mm Opening for Series 150 or 200 Blocks
Series 150 Installation Details for Reinforced Walls

Fig 13 — Corner Bonding Details Series 150 Split Face Designer Block

Fig 14 — Corner Bonding Details Series 150 Feature Face Designer Block

15.42 cut on-site to maintain bond

Next course laid with recesses down to allow extra cover to horizontal steel

Strike mortar flush over recess in end. Iron when mortar is firm.
Series 200 Installation Details for Reinforced Walls

Fig 15 — Corner Bonding Details
Series 200 Smooth Face Designer Block

20.42 (inverted on alternate courses)
20.01
20.121
Cut two webs to fit horizontal steel
Cut back face if reinforced around corner

Fig 16 — Corner Bonding Details
Series 200 Split Face Designer Block

20.121
Cut one block per course to 340mm length to maintain 1/2 bond pattern
Designer Block Guide

Colour & Texture Specifications

1. Stock Colours and Textures
   Lead times apply to both accent and essential Designer Block™ colours. A surcharge may apply to accent colours. Lead times vary depending on project size and product type. Boral recommends that part sizes are cut/bolstered on site to maintain colour consistency. Part size blocks can be made to order.

2. Textures
   Finishes including Honing, Polishing and Shot-blasting are produced on a “made to order” basis. Lead times apply as the product must be cured for six weeks to harden sufficiently before processing. Contact your nearest Boral Masonry office for approximate lead times and premiums on special textured finishes.
   Allow 4 weeks lead time for Smooth and Split face units.
   Allow 6-8 weeks for honed and Polished units.

3. Colour and Texture Variation
   The supply of raw materials can vary over time. In addition, variation can occur between product types and production batches. Variations in colour and texture can occur between product types and production batches. Customers should ensure that all delivered products are acceptable and any concerns about products should be made known prior to laying.

4. Strength
   As stated in this design guide all Boral Masonry units suitable for reinforced core filling are made to a minimum grade strength of 15 MPa, as per AS3700 6.3.1. Higher strengths can be achieved for our natural Grey units for core-filling load-bearing purposes as per engineers specific requirements.

6. Fire Rated Products
   Contact our sales office for specific fire rated products available in our Scoria Blend units.

6. Terms and Conditions
   We reserve the right to change the details in this publication without notice.
   For a full set of Terms and Conditions of Sale please contact your nearest Boral Masonry sales office.

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Customers should ensure all delivered products are acceptable, and any concerns about products are made prior to laying. Boral, the Boral logo, Build Something Great, and Designer Block are trade marks or registered trade marks of Boral Limited and its subsidiaries. Correct as of May 2018.