**Rondo EXANGLE® Drywall Finishing Sections**

**Summary**
The EXANGLE® range of building board finishing profiles are designed to give plasterers a clean, defined edge on straight or curved details for internal building board applications.

**Suitable For:**
- Internal and External Corners
- Shadowline applications
- Flashing in wet areas
- Archways
- Control Joints
- Edge capping
- Bullnose corners

**Special Features**
- Choice of perforated or Expanded profiles
- Nail holes on selected profiles for easy installation
- Minimum coating of Z200
- Made from 0.30-0.50BMT Galvabond or Zincanneal Steel to provide ideal stiffness

**In Practice**
The Rondo EXANGLE® range of profiles are used in many leading projects to complete the wall and ceiling linings. This includes *City Square in Perth* where our P50 Shadowline Stopping Angle was installed on 45 levels of the building and the *Royal Children’s Hospital in Melbourne* where 440,000 metres of EXANGLE® finishing sections were used to construct this world-class project.

**Important Note:**
Rondo recommends its products and systems are installed by a qualified tradesperson and according to the relevant codes and standards outlined on page 256 of this manual.
## Rondo Exangle Finishing Sections

### External Corner Beads
- **PO1** 90° Mini Bead Perforated 30mm
- **PO1A** 135° Mini Bead Perforated 30mm
- **P32** 90° Expanded Corner Bead 32mm

### Internal Corner Beads
- **PS17** 90° Mini Bead Internal
- **PS1A** 135° Mini Bead Internal

### Arch Beads
- **P10** Perforated arch bead

### Plaster Stopping Beads
- **P11** 6mm Board Stopping Bead
- **P12** 10mm Board Stopping Bead
- **P13** 13mm Board Stopping Bead
- **P14** 16mm Board Stopping Bead

### Plaster Stopping Angles
- **P25** 10mm Long Leg
- **P26** 13mm Long Leg
- **P27** 16mm Long Leg
- **P28** 32mm Long Leg

### Shadowline Stopping Angles
- **P50** 10mm Shadowline Stopping Angle for 10/13/16mm Board
- **P60** 10mm Shadowline Stopping Angle for 6mm Board
- **P50R** 10mm Shadowline Stopping Angle for 10/13/16mm Board Radiussed
- **P51** Shadowline Combination Set Bead for 10mm Board
- **P52** Shadowline Combination Set Bead for 13mm Board
- **P53** Shadowline Combination Set Bead for 16mm Board

### Plaster Internal Angles
- **P18** 28 x 28mm Internal Angle
- **P40** 40 x 40mm Internal Angle

### Shadowline Casing Beads
- **P06** 10mm Shadowline Casing Bead for 10mm Board
- **P09** 10mm Shadowline Casing Bead for 13mm Board
**PLASTER CASING BEADS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P03</td>
<td>6mm board casing bead</td>
</tr>
<tr>
<td>P05</td>
<td>10mm board casing bead</td>
</tr>
<tr>
<td>P07</td>
<td>13mm board casing bead</td>
</tr>
<tr>
<td>P08</td>
<td>16mm board casing bead</td>
</tr>
</tbody>
</table>

**EXPANSION JOINT**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P35</td>
<td>Plasterboard Expansion Joint for Board Thicknesses more than 10mm</td>
</tr>
</tbody>
</table>

**BULLNOSE SECTIONS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R05</td>
<td>10mm Radius Bullnose Corner Bead</td>
</tr>
<tr>
<td>R06</td>
<td>22mm Radius Bullnose Corner Bead</td>
</tr>
</tbody>
</table>
TYPICAL APPLICATION DETAILS
Corner Beads

P01 90° & P01A 135° (EXTERNAL)
A lower profile nib on the P01 bead reduces the compound build up on the corner and assists in reducing skirting board or reveal kick-out. The Rondo EXANGLE® P01 corner bead has perforated metal wings angled at 84° to allow the setting compound to penetrate through and under the bead.

P32 90° (EXTERNAL)
Rondo P32 expanded corner bead has a slightly larger nib than the P01 at 3mm and the expanded metal wings allow more compound penetration for situations where a stronger, more stable corner treatment is required.

PS17 90° & PS1A 135° (INTERNAL)
The original Rondo EXANGLE® internal corner bead was designed for use with fibrous plaster sheets to enable the internal corner to be straightened and neatly finished, ready for painting. The redesign of this product to suit modern building boards has resulted in stronger, straighter, crack–free internal corners being produced ready for painting. The flat surface at the centre of the bead which is raised up at 90° from the perforated section, provides a guide for the setting trowel. The small holes along the inner edge of the 90° raised section allows the setting compound to bond to both the internal and external surface of the bead, reducing the potential for cracking in both horizontal and vertical applications.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO1</td>
<td>G2 GALVABOND Z200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPROX WEIGHT PER LINEAL METRE (kg)</th>
<th>MATERIAL THICKNESS (BMT)</th>
<th>STD LENGTHS (metres)</th>
<th>MATERIAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO1</td>
<td>0.116</td>
<td>0.40</td>
<td>2.4, 2.7, 3.0, 3.6</td>
</tr>
<tr>
<td>P01A</td>
<td>0.116</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td>PS17/PS1A</td>
<td>0.116</td>
<td>0.40</td>
<td>3.0</td>
</tr>
</tbody>
</table>
Arch Beads & Stopping Beads

P10 ARCH BEAD
Designed for use with the P01 corner beads, as it has the same nib profile and leg length.
When installing arch beads, care should be taken not to bend it into a radius too quickly. It should be a gradual process starting at one end, gradually bending around the building board finished frame.
The long leg of the arch bead is fixed to the inside of the arch profile for painting. The flat raised surface at the centre of the bead which is raised up at 90° from the perforated section, provides a guide for the setting trowel. The small holes along the inner edge of the 90° raised section allows the setting compound to bond to both the internal and external surface of the bead, reducing the potential for cracking in both horizontal and vertical applications.

P11/P12/P13/P14 STOPPING BEADS
The Rondo stopping beads are suitable for building boards of 6mm to 16mm thickness. The finishing coats are applied up to the nib, which is blended back into the sheet.

<table>
<thead>
<tr>
<th></th>
<th>APPROX WEIGHT PER LINEAL METRE (kg)</th>
<th>MATERIAL THICKNESS (BMT)</th>
<th>STD LENGTHS (metres)</th>
<th>MATERIAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P10</td>
<td>0.080</td>
<td>0.35</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>P11</td>
<td>0.133</td>
<td>0.40</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>P12</td>
<td>0.133</td>
<td>0.40</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>P13</td>
<td>0.133</td>
<td>0.40</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>P14</td>
<td>0.173</td>
<td>0.40</td>
<td>3.0</td>
<td>G2 GALVABOND Z200</td>
</tr>
</tbody>
</table>
TYPICAL APPLICATION DETAILS (continued)

Stopping Angles

P25/P26/P27/P28
Plaster Stopping Angles have a perforated, recessed edge and are used where the edge of the building board is not exposed and where the fitting of a Stopping Bead would be difficult. The Stopping Angle is fixed to the sheet of building board with an adhesive or staples, with the finishing coats bonding into the building board and feathering up to the bead nib. Ideal for use around door jambs, however, in this application it is recommended that when using building board up to 10mm thick, a P26 should be used so that the leg will slot into the door jamb as shown. Similarly, when using 13mm board, P27 should be used.

P50/P60
Shadowline Stopping Angles are the professional section for minimising the appearance of ‘out of align’ walls and ceilings by giving a clean, straight, shadow edge after setting. Shadowline stopping angles are suitable for vertical, horizontal and curved applications and are ideal for use around ceiling perimeters, door jambs, windows and lift openings.

<table>
<thead>
<tr>
<th>MATERIAL SPECIFICATIONS</th>
<th>APPROX WEIGHT PER LINEAL METRE (kg)</th>
<th>MATERIAL THICKNESS (BMT)</th>
<th>STD LENGTHS (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2 GALVABOND Z200</td>
<td>P25: 0.010</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>P26: 0.124</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>P27: 0.133</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>P28: 0.175</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>P50: 0.138</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>P60: 0.124</td>
<td>0.40</td>
<td>3.0</td>
</tr>
</tbody>
</table>
Shadowline Combination Set Bead

**P51/P52/P53**

Shadowline stopping beads enable negative details to be easily formed around the perimeter of ceilings when used in combination with Rondo 140 Furring Channel Track. The shadow detail creates the impression of greater ceiling heights whilst helping to hide imperfections in the abutting walls.

It is also an ideal product for forming shadow details at the top of steel stud partition walls by slipping the bead onto the legs of the wall track before inserting the plasterboard. Slipping the shadow bead onto the edge of the plasterboard sheets enables clean negative details to be produced around door jambs, window frames, lift openings or where other negative details would enhance the appearance of a junction or opening.

The P51 is designed for use with 10mm plasterboard, while the P52 is designed for 13mm plasterboard and P53 suits 16mm plasterboard. The profiled nib and perforated leg enable a good bonding key between the compound and plasterboard.

**Approximate Weight per Lineal Metre**

<table>
<thead>
<tr>
<th>Bead</th>
<th>Approx Weight (kg)</th>
<th>Material Thickness (BMT)</th>
<th>Std Lengths (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P51</td>
<td>0.276</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td>P52</td>
<td>0.283</td>
<td>0.40</td>
<td>3.0</td>
</tr>
<tr>
<td>P53</td>
<td>0.300</td>
<td>0.40</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Material Specifications**

- G2 GALVABOND Z200
Casing Beads

P03/P05/P07/P08
Casing beads are square cornered metal beads that fit snugly over the edge of the building board for protection at abutments, no setting is required. Rondo casing beads are manufactured from 0.5mm ZINCANNEAL™ material, and are easily painted on site.

P06/P09
When the Rondo EXANGLE® Shadowline casing bead is fitted to the edge of building boards, a neat shadowline is achieved as the bead comes into contact with the other abutments. The shadow that is created assists in hiding imperfections in the wall alignment, and also gives a very pleasing result around door jambs. No setting is required.
Both the P06 and P09 are manufactured from ZINCANNEAL™ and are easily painted on site.

<table>
<thead>
<tr>
<th>P03</th>
<th>P05/P07</th>
<th>P08</th>
<th>P06</th>
<th>P09</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROX WEIGHT PER LINEAL METRE (kg)</td>
<td>0.202</td>
<td>0.202</td>
<td>0.327</td>
<td>0.216</td>
</tr>
<tr>
<td>MATERIAL THICKNESS (BMT)</td>
<td>0.50</td>
<td>0.50</td>
<td>0.50</td>
<td>0.55</td>
</tr>
<tr>
<td>STD LENGTHS (metres)</td>
<td>3.0</td>
<td>3.0, 3.6</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>MATERIAL SPECIFICATIONS</td>
<td>ZINCANNEAL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Control Joints

P35
The Rondo EXANGLE® P35 Control Joint has a specially designed PVC rubber flexible joint which locks onto two galvanised (Z200) setting beads. A protective filament tape is attached to the flexible joint section to keep it clean when applying the setting compound, and is removed on completion. Used in both stud walls and flush building board ceilings, the P35 has been designed for movement of up to 5mm in each direction.

PVC is inherently flame resistant in the sense that if the source of the flame is removed, it will self-extinguish. The P35 has been approved for use in fire rated walls and ceilings. (See building board manufacturer’s installation details.) This pre-assembled, ready to use Control Joint has been designed for interior use only and when finished leaves a straight, low profile reveal.

Control joints should be placed as recommended by the building board manufacturer for both ceilings and walls, or where Control Joints occur in the building structure. Control joints should also be used where dissimilar building materials are joined to allow for differential movement in the materials.

<table>
<thead>
<tr>
<th>APPROX WEIGHT PER LINEAL METRE (kg)</th>
<th>MATERIAL THICKNESS (BMT)</th>
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<th>MATERIAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P35</td>
<td>0.345</td>
<td>0.40</td>
<td>G2 GALVABOND Z200</td>
</tr>
</tbody>
</table>
TYPICAL APPLICATION DETAILS (continued)

Internal Angles

P18
The Rondo EXANGLE® internal corner angle is used behind the building board at the intersection of timber walls (see Figure 12) to add strength and eliminate the cracking of the internal corner. The light gauge of the material makes it easy to nail to timber studs.

P40
Australian Standard AS3740–2010 (Waterproofing of Wet Areas within Residential Buildings), requires an internal corner section with a minimum 40mm width either side of a board junction in wet areas. The Rondo EXANGLE® P40 Internal Stabilising Angle should be fixed to timber framed junctions in wet areas at a minimum of 1800mm above the floor level to provide support behind the lining board corner junction (see Figure 13).

<table>
<thead>
<tr>
<th>MATERIAL SPECIFICATIONS</th>
<th>APPROX WEIGHT PER LINEAL METRE (kg)</th>
<th>MATERIAL THICKNESS (BMT)</th>
<th>STD LENGTHS (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINCALUME</td>
<td>0.121</td>
<td>0.30</td>
<td>2.4</td>
</tr>
<tr>
<td></td>
<td>0.163</td>
<td>0.30</td>
<td>1.8</td>
</tr>
</tbody>
</table>
Bullnose Sections

R05/R06
Bullnose corner beads were designed for the commercial building trade for use in high traffic areas such as hospitals, schools, and public buildings. In recent times, designers of quality homes have found it useful where a softer look is required. Bullnose sections are manufactured from ZINCANNEAL™ steel, and are easily painted on site.

**INSTALLATION: SINGLE LAYER**

**STEP ONE**
Fix 10 or 13mm plasterboard 7mm back from the corner.

**STEP 2.**
Fix the Bullnose Section onto the corner ensuring that the stopping edges bear on the plasterboard (see Figure 14).

**INSTALLATION: DOUBLE LAYER**

**STEP ONE**
Fix 10 or 13mm plasterboard in line with the corner.

**STEP 2.**
Fix the Bullnose Section onto the corner ensuring that the stopping edges bear on the plasterboard. 
*For 16mm plasterboard, fix as per double layer application (see Figure 15).*

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>THICKNESS (BMT)</th>
<th>STD LENGTHS (metres)</th>
<th>MATERIAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R05</td>
<td>0.228</td>
<td>0.55</td>
<td>3.0</td>
</tr>
<tr>
<td>R06</td>
<td>0.412</td>
<td>0.55</td>
<td>3.0</td>
</tr>
</tbody>
</table>
INSTALLATION DETAILS
Finishing Sections

STEP ONE

Beads can be attached by nails or a staple gun at not more than 500mm centres down the legs of the bead, and not more than 100mm from each end.

STEP TWO

Using a 100mm broad knife, apply setting compound to the bead to a width of approximately 100mm each side of the corner, filling all perforations. Allow to dry, then remove any excess and lightly sand if necessary.

STEP THREE

Apply second coat to a width of approximately 120mm. Allow to dry, then remove any excess and lightly sand if necessary.

STEP FOUR

Apply third coat with a 200mm broad knife. Feather edges with a wet paint brush. Allow to dry.

STEP FIVE

Using sandpaper and sanding float, gently sand the dry joints to a smooth even finish. Hold the float diagonally across the joint, taking care not to scuff the paper face of the building board where it meets the setting compound.

NOTE:
The Australian Standard for the application and finishing of Gypsum Linings, AS/NZS 2589:2007 stipulates a Level 4 finish to comply with the requirements of the standard, with certain exceptions, therefore 3 separate applications of setting compounds, sanded as necessary, are required to comply. Reference should be made to the lining board manufacturer for further details.
Arch Beads

**STEP ONE**
Position the bead so that the short perforated leg is to the face of the wall and the longer perforated leg is to the arch soffit.

**STEP TWO**
Fix one end of the arch bead 150mm below the springing line.

**STEP THREE**
Carefully bend the bead to the profile of the arch, fixing it at 300 mm centres along its length, allowing the bead to finish 150mm below the springing line.

**STEP FOUR**
Fix the Rondo external corner bead to the vertical edges of the wall to “bond” into the arch bead.

P35 Control Joint

**STEP ONE**
Ensure there is a complete break in the framing behind the Control Joint.

**STEP TWO**
Allow a 20mm gap between the plasterboard sheets.

**STEP THREE**
Locate the Rondo P35 Control Joint centrally in the gap. Fasten the flanges to the building board sheets at a maximum of 150mm centres.

**STEP FOUR**
Set over the bead as for normal joint application using the centre channel nibs as screeding guides.

**STEP FIVE**
Finish the joint in the normal manner. When the joint is dry, remove the protective filament tape.

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**CEILING CONSTRUCTION**

**STUD WALL CONSTRUCTION**

- **Templates**
- **Arch bead**
- **Springing line**
- **Corner bead**

- **ARCH BEAD INSTALLATION**

- **Furring channel**
- **Furring channel joiner**
- **P35 control joint**
- **20mm max. gap**

- **P35 INSTALLATION**