FINISHING SECTIONS

EXANGLE® RT >

RONDO®

RONDO EXANGLE® RENDER & TEXTURE FINISHING SECTIONS

SUMMARY

The EXANGLE® RT range of profiles are designed to give plasterers a clean, defined edge on straight or curved details for render and texture applications.

SUITABLE FOR:

- External Corners
- Exterior applications (specified products only)
- Shadowline
- Edge Capping
- Control Joints

SPECIAL FEATURES

- Stainless Steel SR02 for outdoor render applications
- 7-year warranty
- Selected products are zinc coated and powdercoated for maximum protection

IN PRACTICE

The EXANGLE® RT Finishing Sections range has been developed over 40 years by Rondo's team of experienced R&D engineers and has been used in many commercial and high-rise residential projects.

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.

CONTENTS:

RONDO EXANGLE® RENDER & TEXTURE SECTIONS

RENDER CORNER BEADS

R01	4.5mm Radius Render Corner Bead
R02	2.5mm Radius Render Corner Bead

RENDER STOPPING BEADS

R11	Render Stopping Bead suit 10mm Render
R50	Shadowline Render Stopping Bead suit 10mm Render

BULLNOSE SECTIONS

R05	10mm Radius Bullnose Corner Bead
R06	22mm Radius Bullnose Corner Bead

EXTERNAL RENDER & TEXTURE BEADS

EP32	Expanded External Corner Bead Z200 Powdercoated
ER11	Render Stopping Bead Z200 Powdercoated
EP50	Shadowline Angle Z200 Powdercoated
EP17	'Blueboard' Stopping Bead Z200 Powdercoated
SR02	2.5mm radius Render Bead Stainless Steel

RENDER CORNER BEADS


R01


R02

RENDER STOPPING BEADS


R11


R50

BULLNOSE SECTIONS


R05/R06

EXTERNAL RENDER BEADS


EP32


ER11


EP50


EP17


SR02

TYPICAL APPLICATION DETAILS

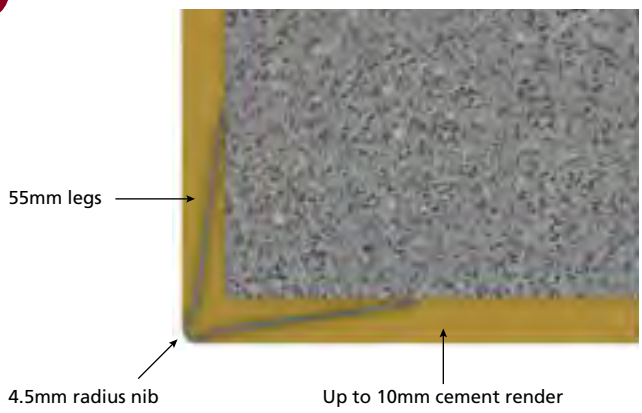
Internal Render Corner Beads

R01

The expanded 55mm long wings enable the cement render to form a strong bond between the base wall and bead allowing for up to 10mm of cement render to be applied.

The wing is expanded up to the nib of the bead, which has a 4.5mm radius, providing a smooth strong knock–resistant corner.

1

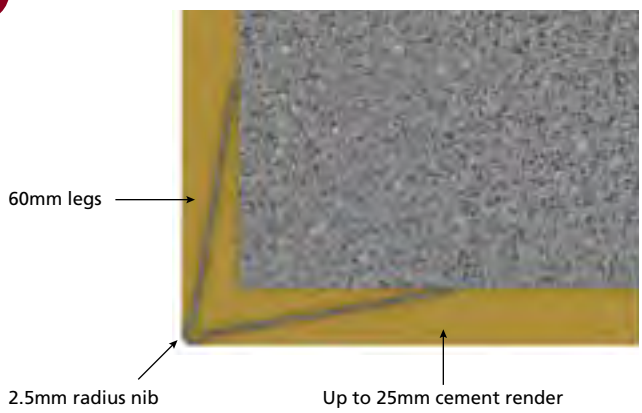


R01 CORNER BEAD DETAIL

R02

A larger section than the R01 which allows for up to 25mm of cement render to be applied due to its longer wing length of 60mm. It is especially suited for use on pre-stressed concrete, and where pre-formed corners require realignment. A smaller 2.5mm radius at the nib provides a sharp strong knock resistant corner.

2



R02 CORNER BEAD DETAIL

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
R01	0.352	0.50	3.0	**Z275 GALVABOND**
R02	0.352	0.50	2.4, 2.8, 3.0	

NOTE: R01 & R02 ARE RECOMMENDED FOR INTERNAL USE ONLY

TYPICAL APPLICATION DETAILS (continued)

Render Stopping Beads

R11

Stopping beads are perforated on both the short leg and longer leg. This allows the cement render to bond tightly to the bead as well as the masonry substrate.

3

■ R11 DETAIL

R50

A time-saving method of creating a straight and true 10mm shadowline effect, the R50 bead is ideal for adding a shadowline architectural feature around door jambs, window openings, wall/ceiling and wall/floor junctions.

4

■ R50 DETAIL

5

■ DOOR JAMB WITH SHADOW EFFECT USING R50

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
R11	0.170	0.40	2.4, 2.8, 3.0	**Z200 GALVABOND**
R50	0.286	0.40	3.0	

NOTE: R11 & R50 ARE RECOMMENDED FOR INTERNAL USE ONLY

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.

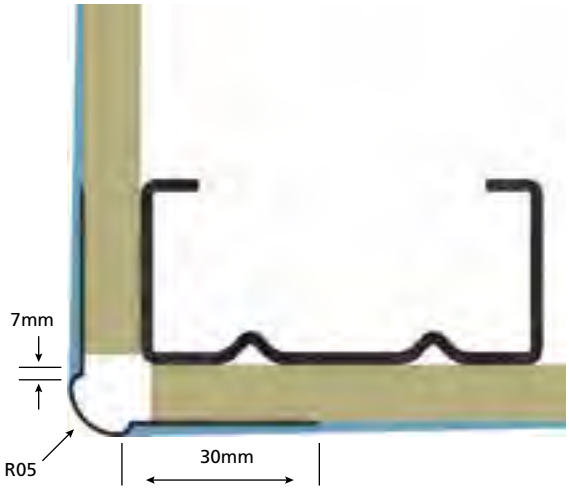
In recent times, designers of quality homes have found it useful where a softer look is required. The beads are primarily for use externally for `Blueboard' Texture coated applications as well as similar fibre cement cladding systems which are finished with stucco weatherproof coatings.

Bullnose sections are manufactured from ZINCANNEAL™ steel, and are easily painted on site.

INSTALLATION

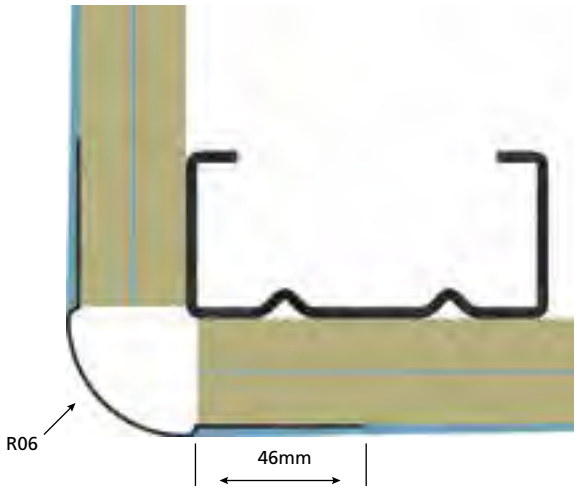
As shown in Figures 6 & 7, whether using one or two layers of board it is important to ensure the board is 'cutback' at the corner to avoid interfering with the radiused nib of the section.

6



■ R05 INSTALLATION DETAIL

7



■ R06 INSTALLATION DETAIL

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
R05	0.228	0.55	3.0	**ZINCANNEAL**
R06	0.412	0.55	3.0	

NOTE: R05 & R06 ARE RECOMMENDED FOR INTERNAL USE ONLY

TYPICAL APPLICATION DETAILS (continued)

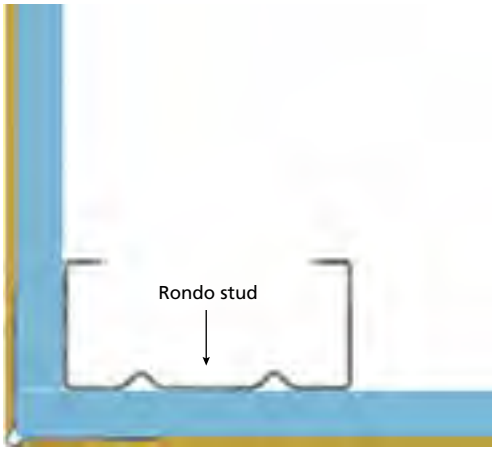
External Render & Texture Beads

EP32

For use on exterior facades of buildings and not recommended for use with cement render, the EP32 expanded corner bead enables a straight, strong, knock-resistant corner to be produced.

The diamond hole profile on the 32mm long legs provides good penetration of the finishing texture coat allowing a strong bond with the substrate to be achieved *(see Figure 8).*

8



EP32 DETAIL

ER11

The ER11 Stopping Bead is suitable for use with 6mm fibre cement sheeting to allow a clean finish to the texture coating application *(see Figure 9).*

9

ER11 DETAIL

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
EP32	0.164	0.40	3.0	**Z200 GALVABOND POWDERCOATED**
ER11	0.194	0.40	3.0	**Z200 GALVABOND POWDERCOATED**

EP17

The EP17 profile is used as a bottom edge capping to suit texture coated 7.5mm `Blueboard' type applications but can also be used in vertical applications *(see Figure 10).*

10

EP17 DETAIL

EP50

Particularly in wet area applications with fibre cement sheeting, the EP50 will produce a shadow effect at either wall/ceiling or wall/door frame details *(see Figure11).*

11

EP50 DETAIL

IMPORTANT NOTE FOR ENVIRONMENTAL CONDITIONS

Although the Rondo E-Beads range is intended for outdoor use and is produced using the most effective corrosion-resistant materials and coatings, there are limitations to the product's applications.

It is therefore important that all Performance Applications and Conditions outlined on Page 191 & 192 are followed.

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
EP17	0.268	0.50	3.0	**Z200 GALVABOND POWDERCOATED**
EP50	0.149	0.40	3.0	**Z200 GALVABOND POWDERCOATED**

TYPICAL APPLICATION DETAILS (continued)

External Render & Texture Beads

SR02

The Rondo SR02 Stainless Steel Render Corner Bead combines the popular R02 profile with an exceptionally corrosion resistant high polish 304 grade stainless steel.The bead has a 2.5mm nib to produce sharp well defined edges and its 60mm wings will comfortably accept up to 25mm of render depth. The nailing strip enables quick and easy fastening which must always be with 316 grade Stainless Steel Clouts. Refer to the 'Product Applications' table on page 192 for the appropriate use of this product. If in doubt please contact your local Rondo Sales Office for advice.

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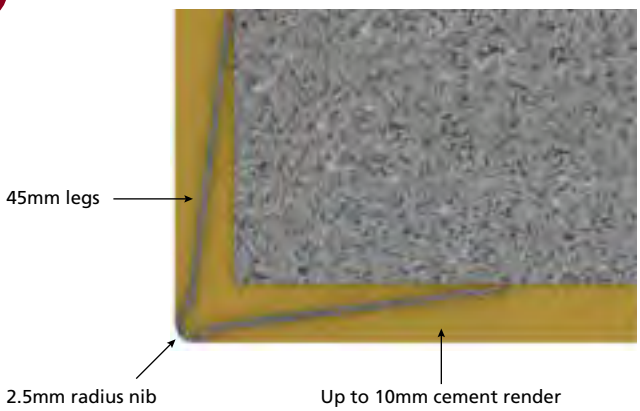

SR02 CORNER BEAD DETAIL

IMPORTANT INFORMATION:

The highly corrosion resistant 304 BA Grade Stainless Steel from which the SR02 bead is manufactured belongs to the "Austinitic" group of stainless steels and is therefore non-magnetic.It is important that when offered a stainless steel bead the correct grade is specified, just referring to stainless steel as "Marine Grade" can be misleading and certainly the "magnet test" is often irrelevant.

	APPROX WEIGHT PER LINEAL METRE (kg)	MATERIAL THICKNESS (BMT)	STD LENGTHS (metres)	MATERIAL SPECIFICATIONS
SR02	0.293	0.45	3.0	**304BA STAINLESS**

CORRECT APPLICATION OF WATER PROOFING MEMBRANE

When the SRO2 is used in areas which are exposed to a constant presence of moisture, such as hobs to balconies and retaining walls, it is important to ensure that the correct waterproofing procedure is used.

To prevent a wicking effect taking place, where the moisture is drawn up by the render and trapped between the substrate and the bead, it is essential that a waterproofing membrane is applied after the Render application. This seals the render from potential ingress of moisture and protects the bead from possible corrosion due to the wicking effect.

Refer to Figures 13 & 14 for correct and incorrect application of waterproofing membranes.

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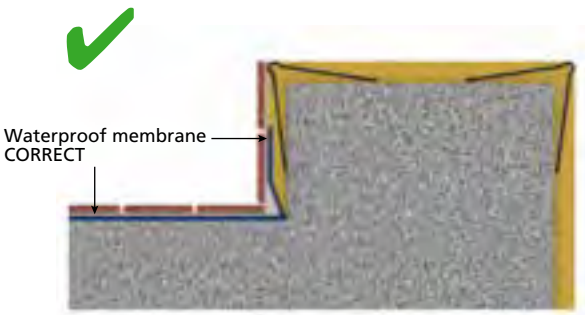
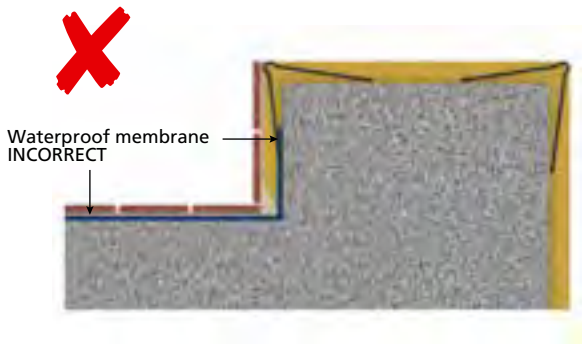


■ CORRECT APPLICATION OF WATERPROOFING

14



■ INCORRECT APPLICATION OF WATERPROOFING

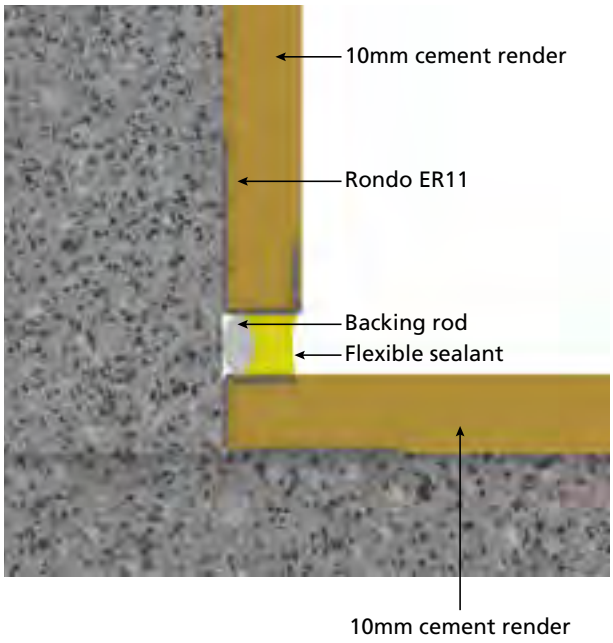
TYPICAL APPLICATION DETAILS (continued)

Control Joint

USING ER11

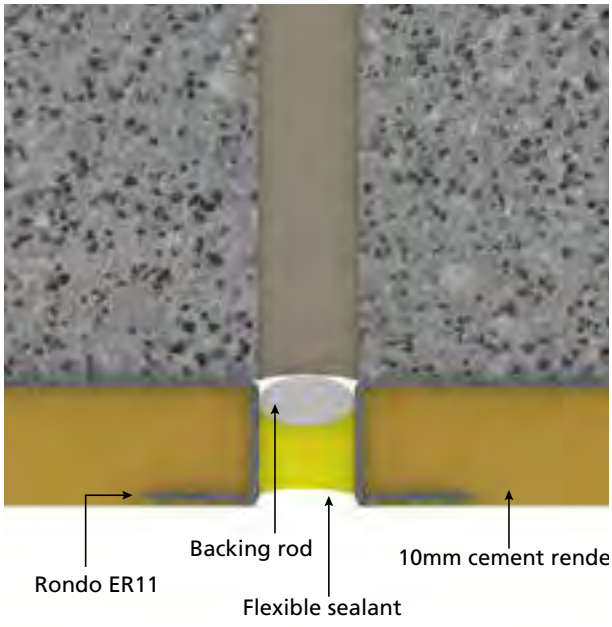
Both vertical and horizontal Control Joints are designed to accommodate differential movement between various elements. The details here demonstrate how a Control Joint can be constructed using Rondo render bead ER11 for exterior construction. These details are for 10mm thick render or plasterboard. For other thicknesses contact your local Rondo technical representative.

15



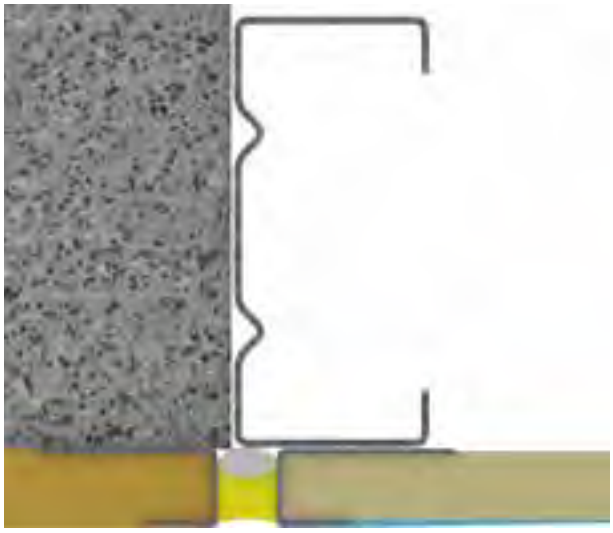
■ CORNER DETAIL

16



■ RENDER CONTROL JOINT

17



INSTALLATION DETAILS

Render Corner Beads

STEP ONE

Before applying render beads, ensure that the substrate that the bead will be attached to is completely dry and free from contaminants such as acid cleaning chemicals. If brick or concrete cleaning solution has been used to wash the walls, they must be air dried before the bead is applied.

STEP TWO

It is important the correct bead is selected for exterior applications. For exterior applications, use the Rondo E-Bead range or the stainless steel SRO2 bead detailed in this brochure.

STEP THREE

To ensure a plumb, straight corner is achieved, a temporary fixing at the top of the bead should be applied. The bead should then be aligned with a spirit level, allowing for a minimum 10mm of render before securely fixing in place. 20mm hardened galvanised masonry nails nailed into the mortar, or into the brick or block-work if using a power gun, will achieve the desired result.

ENSUIRING THE BEAD IS PLUMB AND STRAIGHT

NAILING INTO THE MORTAR ON MASONRY WALLS

STEP FOUR

In exterior applications, if the beads have been installed several days prior to rendering, they should be washed down with clean tap water and left to air dry to ensure any contaminants such as salt spray are removed.

STEP FIVE

Cement render should only be mixed with clean tap water using screened salt-free sand only. Ensure any mixing additives that help in the mixing process do not contain chemicals that may affect the metal finishing beads.

STEP SIX

After rendering and before applying a texture or paint finish, the render must be completely dry and free from any moisture. If a waterproof membrane is to be installed it should be done after the render has been applied and before texture coating or painting. Refer to Page 189 for correct waterproofing procedures.

NOTE:

- Products delivered to building sites must be stored in a dry protected area away from contaminants such as salt spray or acid spray from cleaning.
- Ensure that finished areas which are not naturally washed by rainwater are manually washed every six months or sooner in coastal areas as part of the buildings maintenance program, this will ensure air born contaminants are regularly removed.
- Bore water should not be used for any cleaning processes due to the possibility of high levels of chloride and other contaminants being present.
- E-Beads should not be used in external applications where the render/texture may be exposed to high levels of moisture or continuous damp cycles and evaporation such as planter boxes or garden beds.

NOTE: Always use fasteners that are compatible and are of equal durability to the product. Hardened galvanised nails should be used with the E-Bead Range and all interior beads. The SRO2 should be fastened with stainless steel nails only, such as 25 x 2.80mm 316 grade Stainless Steel Clouts available from Koala Nails.

PRODUCT APPLICATIONS

PRODUCT APPLICATIONS	PRODUCT		
	EP32	ER11	SRO2
7 Year Warranty *	✔	✔	✔
Exterior use	✔	✔	✔
Within 500m of fossil fuel combustion	✘	✘	✔
Within 1km of active surf	✘	✘	✔
Within 100m of open Salt water	✘	✘	✔
Within 500m of heavy industrial emissions	✘	✘	✔
Contact with dirty bore water or high chloride soils	✘	✘	✘
High levels of damp, moist conditions *(e.g. planter boxes)* †	✘	✘	✔
Suitable for Render applications	✘	✔	✔
Suitable for Texture applications	✔	✔	✔

NAILS			
Stainless	✘	✘	✔
Galvanised	✔	✔	✘

** Refer to warranty conditions.* *† Protective waterproofing required.*