



*Entrance Matting*





# ULTRAMAT™

**BIRRUS 'ULTRAMAT'** (carpet inserts) is constructed from alternate treads of aluminium and carpet set across the doorway. The carpet treads are securely held within extruded aluminium retaining sections which are lightly furrowed on the exposed surface to produce a non-skid surface.

A stunning selection of carpet colours is available in the latest shades, ranging from soft muted shades to deeper bold tones, offering a carpet to co-ordinate with any chosen colour scheme.

Refer to website for colour range.

## Types of installations

**BIRRUS**, leading designers and manufacturers of architectural entrance matting in Australia for more than 40 years, produce a prestigious range of products combining attractive aluminium extrusions with a stunning selection of carpet and textured tread inserts to enhance and protect the entrance to your building.

### Specifications in brief

#### Matting

**"Closed" construction (standard)** – Depth: 10, 16 or 22mm

**"Open" construction** – Slimline roll-up type. Depth: 10mm only. Allows drainage/water, dirt and grit to fall through open slots in the PVC hinge, enabling the mat to be rolled back for cleaning purposes.

**Width:** Up to 5 metres wide **without** unsightly vertical joints.

**Increments:** 50mm

Birrus matting is custom made to clients specifications. Larger mats are installed in sections and where possible will be sized to enable rotation of mats to maximise life and appearance. It is important to indicate position of doorways to avoid divisions occurring where it is not aesthetically pleasing or at the point of heaviest traffic flow. Mats may be shaped to suit virtually any angled or circular area. A rigid template of the matwell may be required to ensure a good fit.

**Sizing:** Mats are made with nominal 4mm clearance in each direction to allow for metal expansion. Tolerance is  $\pm 2$ mm.

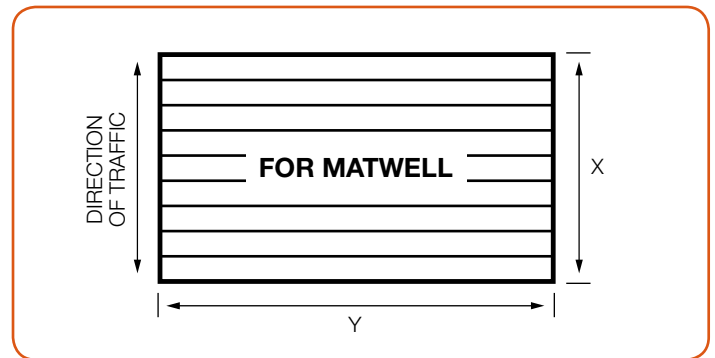
**Anodising** of aluminium sections in selected colours can be arranged. Price is extra on application. Note: Anodising is a surface coating which will wear over time.

#### Maintenance

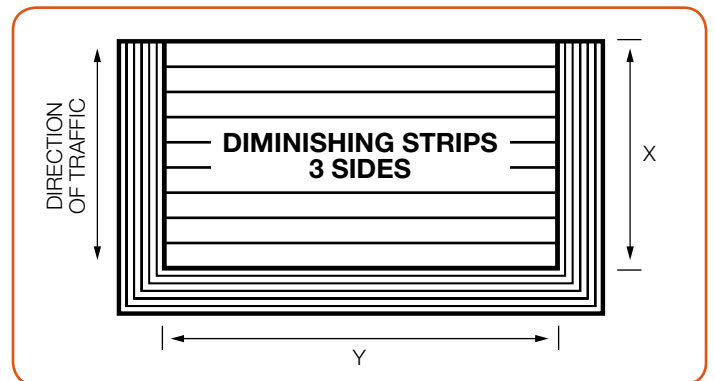
Easy to maintain. Regular cleaning will remove most soiling. Request a Maintenance Instruction Sheet. To extend the life of your Birrus mat a full range of Replacement Inserts is available. It is a simple task, able to be carried out on site, or factory fitted.

#### Warranty

Manufacturers Warranty cover applies to all products of Birrus manufacture. Conditions apply.



**Recessed Application** placed into a matwell set flush with surrounding floor finishes.



**Surface Mounted Application** with aluminium tapered diminishing strips to any or all sides. Dimensions must refer to mat **WITHOUT THE STRIP**. Strips add 50 or 63mm onto each side.

Refer to Architectural Specifications page.

**NOTE:** Our policy is one of continuous improvement and we reserve the right to alter the specification of any of our products without prior notice.

# DURAMAT™

**BIRRUS DURAMAT** (rubber inserts) is highly effective for extra heavy traffic areas.

The ribbed rubber scraping bars set between aluminium treads ensure maximum durability, ideal for wheeled traffic at airports, shopping/distribution centres, sporting and educational facilities.



# DURAGRIT™

**BIRRUS 'DURAGRIT'** (abrasive grit inserts) is a hard wearing non-slip tread insert developed for internal and external environments where floor surfaces may otherwise prove hazardous. This unique product provides safe footing in high traffic areas exposed to water or slippery conditions, especially ramped walkways. Refer to photograph on left showing an entry exposed to weather incorporating a Birrus 'open construction' mat and custom made metal grate system, allowing water to filter through the matting/grate to drainage outlets located in the base of the matwell.

Another well proven design layout is to install **Dual Treads** (that is 2 x 50mm wide increments) alternately set into concrete, tiles or timber across ramps and walkways, to create a safe non slip surface.



# DURAGLO™

**BIRRUS 'DURAGLO'** (photoluminescent insert) is designed to illuminate the entry/exit points in total darkness. Efficiency is held between 2 - 4 hours and re-energised by natural or artificial light. Twin photoluminescent strips are imbedded into ribbed rubber treads. This insert can be incorporated into any of the closed construction products, including Stair Nosings and the Dual Tread layout.



# COCAMAT™

**BIRRUS 'COCAMAT'** (coir inserts) offers an efficient cleaning action due to the STEPPED profile. **Coir fibres stand 10mm above the aluminium treads** penetrating the crevices of shoe soles, removing loose dirt and moisture.

Consideration should be given to the overall height of COCAMAT to ensure hinged doors have sufficient clearance. (Internal use only). Refer to Architectural Specification page.

# Matador

## Heavy Duty Matting – (open construction)

The first line of defence is to prevent dirt entering a building.


A **MATADOR** mat at each entrance goes a long way towards achieving this. It works without the conscious co-operation of the visitor, as the corrugated rubber flicks the dirt from beneath the shoes. The dirt removed falls beneath the mat where it remains trapped within the mat until taken up by broom or vacuum cleaner.

**Matador** is highly suited for areas of predominantly low-heeled traffic, such as schools, sporting complexes, ski resorts, military and agricultural facilities. **Matador** Matting lasts for many years in both internal or external applications.

## Specification

Matador mats consist of corrugated rubber strips, interspersed with aluminium slats, riveted to each strip, and held together with stainless steel retaining wires. Mats may be placed into a matwell, or surface-mounted with or without the ribbed aluminium diminishing strip.

<b>Mat Depth</b>	22mm
<b>Frame Depth</b>	25mm angle
<b>Diminishing strip</b>	22mm high x 63mm wide
<b>Colour</b>	Black rubber and aluminium mill finish
<b>Sizing</b>	Maximum width: 3000mm Maximum length: 1200mm
<b>Shapes</b>	90° corners only

 **WARNING** This mat is designed to prevent dirt entering a building and accordingly is a robust long-lasting mat which can save substantial sums in avoiding the replacement of floor coverings. It has come to our attention that a certain design of women's stiletto heel may if the wearer does not exercise sufficient care become jammed into the spacings of the mat. Consideration by the buyer should be given to this when determining the suitability of Matador for each entrance.

# MATWELL FRAMES

A durable, neat and excellent finish for all types of mat recesses

## Materials

**Aluminium alloy, solid brass or stainless steel (pickle finish)**

- Every frame made individually to size
- Rust and corrosion proof
- Precision mitred corners
- Available with fishtail lugs if required
- Fully welded or loose, mitred and drilled
- Note: Stainless steel frames are available in 20 x 20 x 3mm and 25 x 25 x 3mm (**even legs only**), in pickle (dull) finish

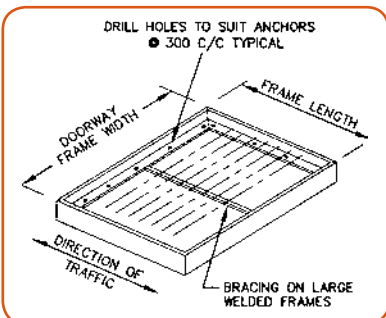
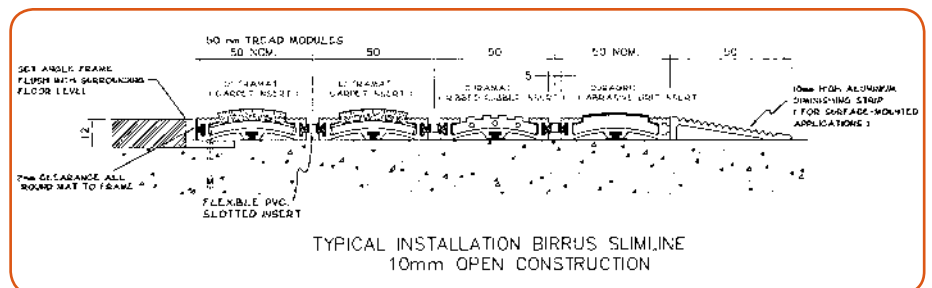
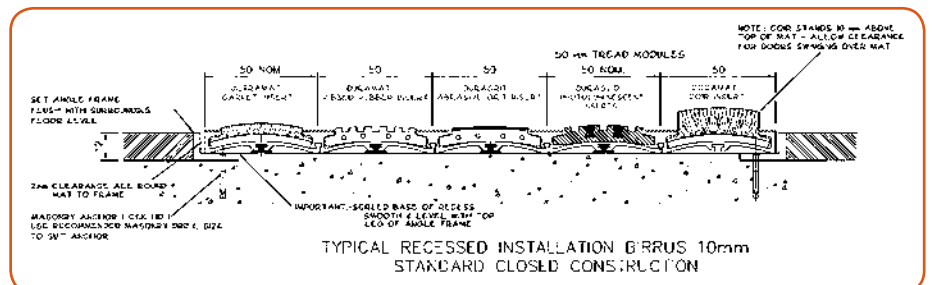
Refer to Architectural Specification page for more details.

## Depth

Fabricated from 12, 20 or 25mm angle

giving an inside depth of 10mm, 16mm or 22mm, to suit Birrus matting.

Matwell frames are also available for other types of matting.





- 1 BIRRUS** (select)  a. **Ultramat** (Carpet Inserts)  
 b. **Duramat** (Rubber Inserts)  
 c. **Duragrit** (Abrasive Inserts)  
 d. **Duraglo** (Photoluminescent Inserts)  
 e. **Cocamat** (Coir Inserts)

**2**  **recessed** OR  **surface mounted** entry mat as indicated on the drawings.

**3** Mats will be constructed from natural aluminium tread rails lightly furrowed on the exposed surface to provide a non-skid surface and include rubber support cushions mounted on base of each tread to counter any minor surface imperfections. (Treads are spaced at 50mm centres and available up to 5 metres wide without unsightly vertical joints.)

**Dimensions are**  mm x  mm x (select)  a. 10mm deep closed construction (standard)  
 b. 10mm deep open construction slimline (roll-up type)  
 c. 16mm deep closed construction  
 d. 22mm deep closed construction

## 4 TREAD INSERTS

- a. **Ultramat** Carpet range (select)  
 MELCOR "ORBIT" heavy duty indoor/outdoor carpet (range of 11 colours) OR  
 "ONTERA" ENVISIONS (range of 19 colours)  
 colour (select)  (refer website for "Carpet Colours" range)
- b. **Duramat**  Black ribbed rubber scraping bars, OR  Mid Grey vinyl (interior or sheltered outdoor use)
- c. **Duragrit**  Abrasive grit, heavy duty and anti-slip (Charcoal)
- d. **Duraglo**  Dual photoluminescent strips set into Black ribbed rubber scraping bars.
- e. **Cocamat**  Coir fibre: allow minimum 12mm clearance **above** aluminium treads to ensure **hinged** doors have sufficient clearance over the mat, or specify 20 x 25 x 3mm framing.  
 Colours  Natural  Grey  Brown  Black Dyed Coir (internal or sheltered outdoor use).

**NOTE** Dyed coir will fade in direct sunlight.

**OPTION** A combination of tread inserts to clients choice.

## 5 MATWELL FRAMES

Fabricated from (select)

- natural aluminium alloy  solid brass  stainless steel (pickle/dull finish) angle complete with  
 Fully Welded Joints (for small to medium sized mat recesses) OR  
 Loose, Mitred and Drilled (for screw fixing, for larger sized mat recesses)  
 12 x 25 x 3mm – to suit 10mm deep mats  
 20 x 25 x 3mm – to suit 16mm deep mats  
 25 x 25 x 3mm – to suit 22mm deep mats

**NOTE** Framing adds 5mm to each side of mat (including 2mm mat clearance)

### Diminishing Strip

- 50mm wide (surface mounted applications) to suit 10mm mats**  
 **63mm wide (surface mounted applications) to suit 16 & 22mm mats**

Strips may be supplied loose, mitred and counter sunk drilled, OR fixed to any or all sides. When ordering, dimensions must refer to the mat **without** the diminishing strip.

## 6 INSTALLATION

Install matwell framing in an oversized recess and position so that the upper edge of the frame is level with adjacent 'finished' floor surfaces, and anchor down and grout in as required.

**IMPORTANT:** to ensure optimum performance of the entire assembly, SCREED base of mat recess **level** with **inside frame ledge**, to support the mat. (Warranty may not apply if this step is not followed). Refer to our Typical Installation drawings overleaf.

# Associated Flooring Products



## Tactile Systems: TGSI, Discrete Stainless Steel and Poly Studs

The revolutionary **peel and bond** technology ensures that Guardian Tactiles can be installed and **walked on immediately**. The tactiles will not peel, lift, chip, crack or slip once they are correctly installed.

They offer a more cost effective solution due to the ease and speed of installation with considerable cost savings.

- Size: 300mm x 300mm
- Colours: Ivory, Charcoal, Terracotta and Safety Yellow
- Fast, easy, low cost installation
- Minimal disruption to building workers and general public
- DIY Installation
- Complies with AS/NZS 1428.4.2002 APP.F R12 Rating
- Hazard and directional
- Manufacturers 10 year warranty (conditions apply)

## Discrete Stainless, Brass and Poly Studs

An attractive selection of styles to suit every application.

Luminance contrast must be considered when selecting your choice of TGSI. Consult AS 1428.4.2002 Appendix F.

## Stair Nosings, Treads & Antislip Tapes

Birrus carries an extensive range of Stair and Step Nosings for interior and exterior public access stairways – medium and heavy duty profiles, providing a cost effective way of meeting accessibility requirements of the Building Codes of Australia.

- Inserts of non slip, abrasive, PVC and photoluminescent strips
- Colour range to suit every décor
- Attractive aluminium or brass finishes
- Range includes DIY peel and bond type
- Surface mounted or rebated into the step
- Fixing Holes: specify on placement of order if required



## Commercial Matting for Recessed and Surface Mounted Applications

Natural and Dyed Coir



Carpet Mats



Vinyl Loop Cushion Mat



## BIRRUS MATTING SYSTEMS

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