

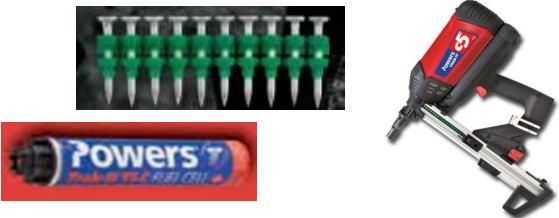



THE EMPIRE BRICK FAÇADE SYSTEM - COMPONENTS

Description	Component	Manufacturer	Technical Specification	Fire Rating	Application
Fired Clay Brick 230mm long x 76mm high sliced into 25mm facings	Clay Brick Veneer	Various manufacturers then sliced by Empire Ceramics Pty Ltd	Initial Rate of Absorption (kg/m ² /min) - 0.72 *AS/NZS 4456.174:2003 Salt Attack Resistance Category EXPOSURE GRADE *AS/NZS 4456.10:2003	Non Combustible Materials	Non- Structural decorative wall finish
<p>EMPIRE BRICK FACING W x H x T ; 230 x 76 x 25</p> <p>EMPIRE COURSE RAILS 86mm</p> <p>EMPIRE BRICK CORNER W x D x H x T ; 230 x 110 x 76 x 25</p>					
Steel Railing System to support brick facings on the wall	Course, Starter, Short Course, Lock & Top Rails	Rollformed by Empire Ceramics using Selection UniZinc or Magnaflow Steel	"UniZinc" Steel Course Rail - Gauge 0.4 AM 125 - 0.46 kg per lin m or "Magnaflow" Steel Course Rail - Gauge 0.4 ZM 240 - 0.46 kg per lin m	Non Combustible Material	Non- Structural decorative wall finish






THE EMPIRE BRICK & RAIL SYSTEM - FIXINGS

Description	Component	Manufacturer	Technical Specification	Fire Rating	Application
Fixing Pin & Delivery System for CLT, Concrete & Masonry Panels	Powers range of Premium Drive Pins for Precast & steel application	Powers Fasteners	 <p>Powers 19-39mm pins for steel and hard concrete applications inserted using the Trak-It C5 Gas-actuated fastening tool for mechanical and electrical applications.</p>	Non Combustible Material	Fastening Empire Steel Rails to concrete and other substrates
	<i>...or similar</i>	<i>...or similar</i>			
Fixing Pin & Delivery System for Hard Concrete	Ramset™ range of Premium Drive Pins for Precast	Ramset Australia Pty Ltd	 <p>P8HC617 Premium Drive Pin - Hard Concrete/Steel 17mm pins for steel and hard concrete applications inserted using the - TrakFast™800.</p>	Non Combustible Material	Fastening Empire Steel Rails to concrete and other substrates
	<i>...or similar</i>	<i>...or similar</i>			



THE EMPIRE BRICK & RAIL SYSTEM - FIXINGS

Collated Screws for Steel Framing Systems	Automated Collated Screwdriver unit	many manufacturers freely available		Non Combustible Material	Fastening Empire Steel Rails to steel frame substrates
<div data-bbox="142 581 357 618"> </div> <div data-bbox="485 581 621 618"> </div> <div data-bbox="176 641 352 665"> <p>DATA SHEET-101</p> </div> <div data-bbox="176 690 394 847"> </div> <div data-bbox="415 657 630 847"> <p>PRODUCT DESCRIPTION PRODUCT CODE: 2359NG DESCRIPTION: GRIPSHANK™ SUPERSHARP MATERIAL: 1060 CARBON STEEL HEAD Dia: 6.4mm SHANK Dia: 2.5mm COATING: 0.0002 PT2000* COATING LENGTH: 38mm COLLATION: PLASTIC QUANTITY PER BOX: 3200</p> </div> <div data-bbox="688 641 919 792"> <p>ALTERNATE TO SCREWS STRUCTNAIL STEEL FASTENERS 0481 341 203 sales@structnail.com</p> </div>			<p>Wafer Head screws suitable for light gauge steel connections with the self-drilling screw point. Cadmium Coated or Galvanised.</p>	 <p>It is NOT ACCEPTABLE PRACTICE to use Countersunk head or Tek screws with the Empire Brick & Rail system. The shape of this screw head greatly reduces the fastening strength of the screw to the 0.4mm sheet metal of the Empire Brick Rails</p>	
Collated Nails for Timber Framing Systems	Automated Collated Nailing unit	many manufacturers freely available		Non Combustible Material	Fastening Empire Steel Rails to timber frame substrates
			<p>An air nail gun is a powerful drive engine suitable for hardwood nailing. The adjustable depth of drive provides precise fastener placement. The magazine usually has 3 predetermined height settings, 32mm, 50mm & 65mm. The coil nails should be minimum 32mm Hot dipped Galvanised or Cadmium coated.</p>		



THE EMPIRE BRICK & RAIL SYSTEM

Recommended Ancilliary Components

Batten - Separation Block	Hardiflex or similar	James Hardie	Hardiflex™ sheet - a smooth, flat fibre reinforced cement sheet - 4.5mm thick - trimmed down to 50mm wide strips spaced at 450mm to 650mm centres (to suit) held in place vis the fixing pins, screws or nails which will go through the rail and this spacer block to create a cavity between the Steel Rail system and the surface of the substrate panel.	Non Combustible Material	Non- Structural decorative wall finish
Separation material	Building Wrap	Any suitable supplier	If fixing to pre-cast, concrete blockwork, concrete brickwork or in-situ concrete walls it is adviseable to insert a physical barrier between the concrete surface and the steel rails to minimise any corrossion risk.	Non Combustible Material	Non- Structural decorative wall finish
M4(EXP) Mortar Site Mixed	Sand, Cement & Water Thickener	Local supplier	M4(EXP) Mortar - Durability Class - EXPOSURE GRADE 4 units Brickies Sand + 1 unit Portland or Blended Cement + Methylcellulose additive - as per AS3700	Non Combustible Material	Non- Structural decorative wall finish
<i>Empire 'Slick' water thickener additive available through Empire Ceramics</i>			AS 3700 allows the use of Cements complying with AS 3972 or AS 1316. Sand that is free of any deleterious materials. Water that is free from deleterious materials and Admixtures including plasticisers, air entraining agents and set retarders complying with AS1478.1, and/or cellulose-type water thickeners and/or colouring pigments complying with BS EN 12878 and/or bonding polymers.		