

The Worlds Most Accurate Screed Rail System

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Acra Screed is a Patented Product

Acra Screed Blinding / Ice Rink Plate

Product Overview

The Acra Screed Plate system, is an Adjustable Screed Rail system to assist in the accurate placement of concrete to defined levels and is suitable for level and multiple cross fall applications.

The Acra Screed Blinding/ Ice Rink Plate was first developed for Ice Rinks where a normal screed rail system couldn't be used due to the mass of refrigeration pipes and cables that were in the way. The plate can be manufactured to different shapes and sizes to suit individual requirements, however its standard stock size is a 100mm Diameter circle.

As the Blinding system adjustment is determined by first knocking a hole into the sub base which gives your adjustment range - a video showing the Blinding system is available on www.acrascreed.com under Videos.

As a main Slab system When using the plate system for main concrete slabs it is best to be considered as a secondary option compared with the other systems available, because you are unable to use the Acra plug system as you cannot drill into existing concrete or you are unable to use the Base Block system because the concrete thickness is below 90mm. The Base block system is suitable for use on insulation. The downside of the plate system when used for main slabs is that the adjustment range is minimal compared with the other systems and this is why we ask you consider it as a secondary option.

Component 1 - The Blinding / Ice rink Plate



The Blinding Plate shown right is used by knocking a small hole into the sub base which gives your adjustment range, as the blinding is not a structural part of the concrete knocking the blinding plate into the sub base should not cause any problems.

When using the Plate for a top layer of concrete the threaded section is reversed to sit up in the air leaving the flat plate to the bottom and leaving a smooth surface underneath. The plate is galvanised and the size of the plate can be manufactured to suit individual requirements which best suit the project.

Adjustment of the plate system is very minimal - on average a maximum of 10mm.

Component 2- The Rail Support

Rail Support Head Variations



Single Rail Support -
Welded to Stud



Double Rail Support -
Welded to Stud

10mm Stud shown to the right.

Stock carried as standard for slabs up to 300mm. Pre order required for depths above 300mm. For slabs over 300mm deep we use a 12mm Stud and Rail support head to suit.



The Rail Support examples given above accommodate 8mm x 40mm and 8mm x 50mm Rail. A further head is available to accommodate a 12mm x 30mm Rail when required. Please note that the 12mm Rail supports are made to order.

The Rail Support will give an adjustment range, in general of 50mm, 25mm either side of finished level. This can then be tweaked to within half a millimetre of the required level.

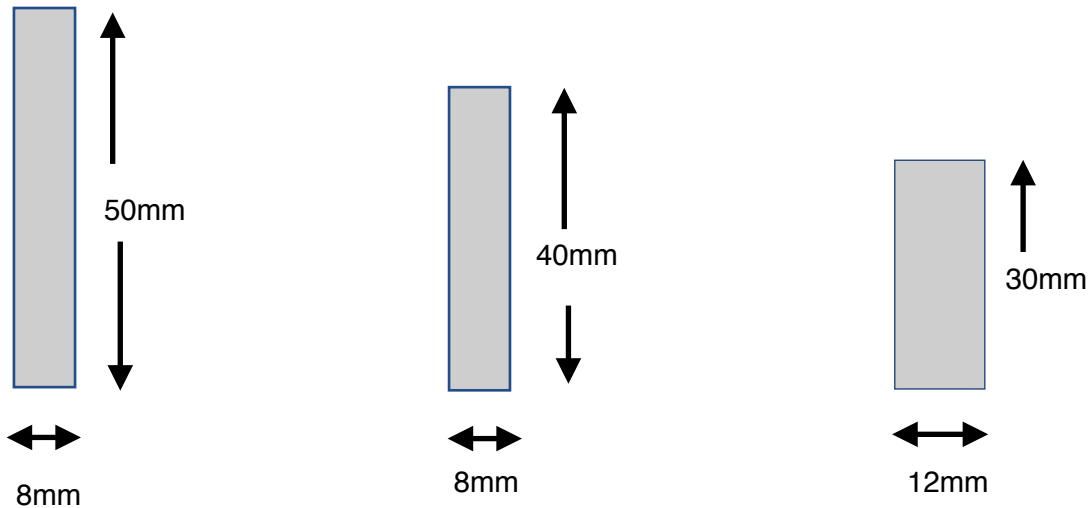
When using the Base Block System the minimum concrete depth is 90mm, the maximum depth supplied to date was 1.6 metres, using a hand tamp.

The Double rail support is used where two lengths of rail meet - the rail comes in standard lengths of 6 metres, therefore a Double rail Support is required every 6 metres.

Component 3 - The Rail

The Rail is placed into the rail support as it is for the other Acra Screed systems.
Sizes

The Rail is placed into the rail support as it is for the other Acra Screed systems



Rail variations given above. The Rail is reusable. Above photograph gives example of a rail been moved during concrete pour to new position into pre set Rail Supports.

Rail Supports for 8mm Rail carried as standard stock.

Rail Supports for 12mm Rail manufactured to order.





Installation Recommendations

Acra Screed recommends that one unit is positioned every meter along the screed rail line. To make the concrete pour comfortable for those laying the concrete, Acra Screed recommends positioning the Screed Rail - 400mm less than the power screed or hand tamp to be used.

For example a 4.2 meter Roller Striker - screed rail positioned every 3.8 meters apart, allowing 200mm overhang either side of the screed rail.

On the Video page of the Acra Screed web site www.acrascreed.com there are two videos showing the set up of the Base Block System and a pour. A further video shows the Blinding Plate set up. Watching the video is highly recommended for those new to the product.

As Standard a set up information sheet is supplied with all orders. The system is very straightforward and easy to set up, as can be seen in the videos.

Acra Screed offer exceptional back up and technical support should you have any questions.

Component	Material	Additional Information	By Request
Rail Supports	S275 BS EN 10025.S275 - Bright zinc plated or Self coloured.	Precision cut	Rail Support head type
Stud	Grade 4.8 Mild Steel metric fine (1.25mm) or 12mm Thread rolled dependent on depth.	Various lengths	Depth required
Rail	Black flat rail BSEN 10025-2:2004 S275JR	30mm x 12mm 40mm x 8mm 50mm x 8mm	
Plate		Cut to size required	Size by request.

The information provided within this data sheet is approximate. Acra Screed Ltd reserves the right to amend this data sheet at any time. For further details, please contact Acra Screed Ltd
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