

Rail Paving System

Paving system for waterproofed substrates





Why this System?

TerraSmart™ Rail is made up of super-strong, 100% recyclable aluminium joists, which overlap to create a lattice framework, offering the maximum possible level of support for the paving surface.

The system is fully non-combustible, achieving a Euroclass A1 fire rating.

“Maximum possible... support”

- Perfect for terraces, podiums, roof decks, inset balconies and other outdoor spaces
- Allows many different paving layout formats including random length, mixed width, stack bond, stretcher bond, herringbone
- Suitable for use in areas subjected to high foot traffic
- Suitable for projects with maintenance access requirements such as piping or services
- Allows rapid water drainage through paving



Out of the Box Compliance

Like you, we want to make our buildings and our lives safer. So we've made it easy for you to comply with current building and fire safety regulations. You choose the finish, we'll take care of the compliance. Simple, smart, non-combustible flooring systems for terraces and balconies

System Overview

1. Paving

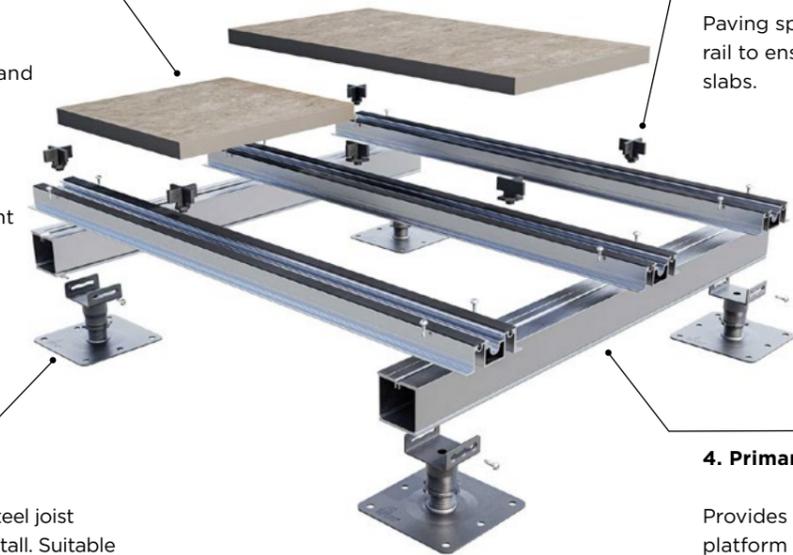
A complete range of Ryno finishes available with various dimensions to account for increased loading.

Three ranges of porcelain and nine ranges of concrete to pick from.

Each is hard-wearing and ultra-durable, with excellent slip resistance.

3. Spacers

Paving spacers twist into top rail to ensure equal spacing of slabs.



2. Pedestal

Our fully non-combustible steel joist pedestal enables an easy install. Suitable for large build up requirements, it is quickly and simply height adjustable up to 505mm. Protected from corrosion with zinc-nickel electroplating.

4. Primary Joist

Provides a totally stable platform for the top rail and binds the whole system together into a lattice format. Joist available in multiple depths to suit various height build-ups.

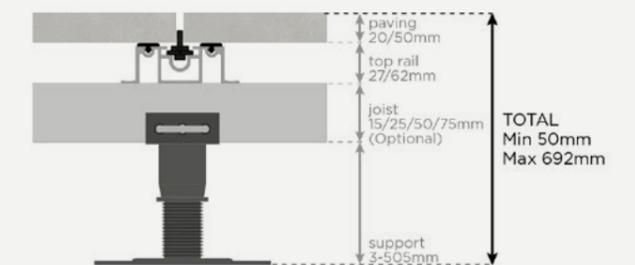
Technical Specification

Reaction to Fire (to EN13501-1:2018)	A1
System overall height range	50-692mm
Loading/compression (to EN 1991-1:2002)	Concentrated/point load 2kN Uniformly distributed 4.0kN/m ²
Warranty	30 years*
Design Life	60 years*

*Valid when used as part of a complete RYNO IGNO system

System Build Up

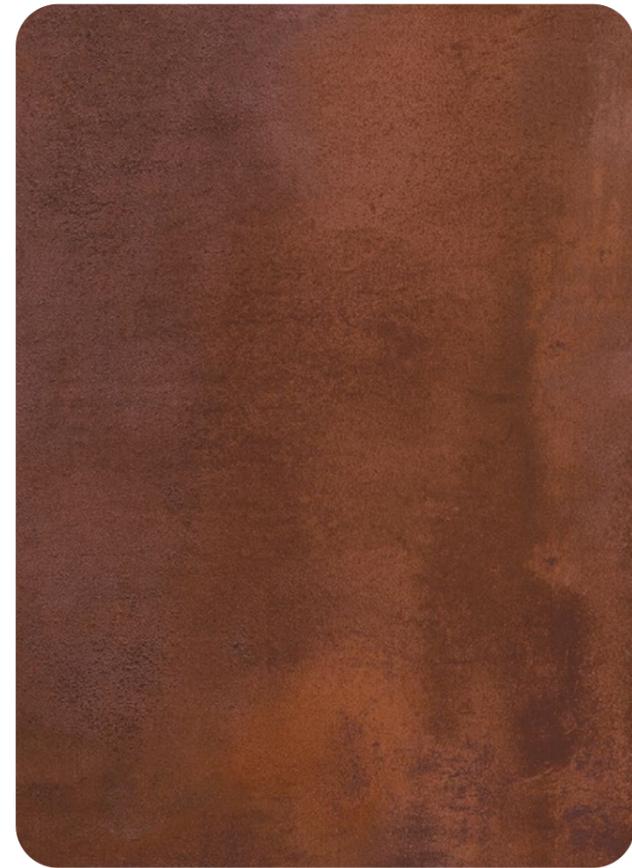
Smaller solutions are available contact us for more information



Finishes

Porcelain

Durable porcelain tiles available in a range of stone effect, wood grain and contemporary finishes.



Pictured: Corteno - Weathered Steel

Concrete

Tough concrete tiles available in a range of finishes for high foot trafficked areas.



Pictured: Liora - Light Granite

Full Range

With over 50 different paving finishes and over 25 sizes our range of paving means you don't have to compromise on your design.

Get in contact today or go online to view our full range and find the paver that's right for you.

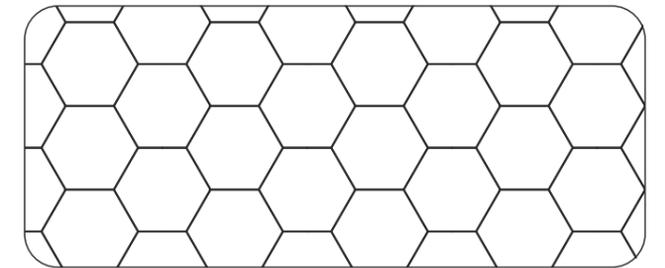
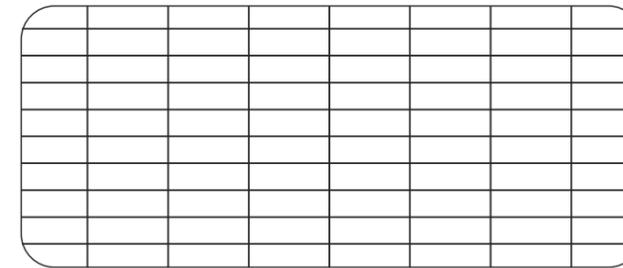
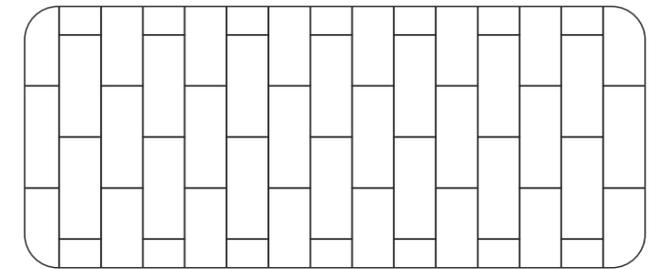
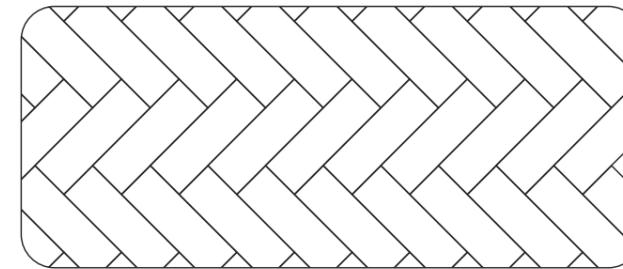
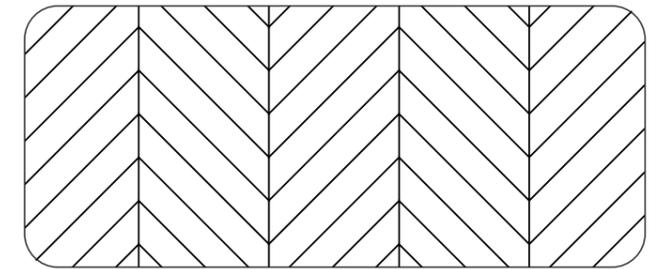
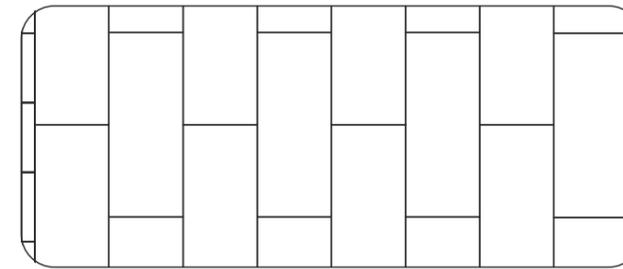
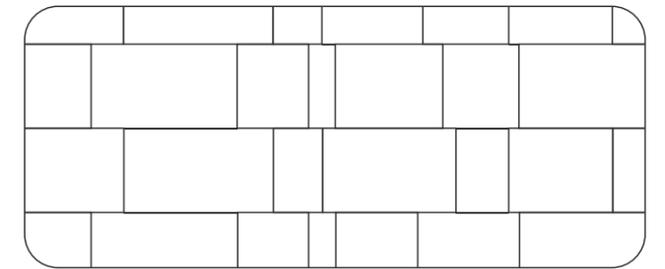
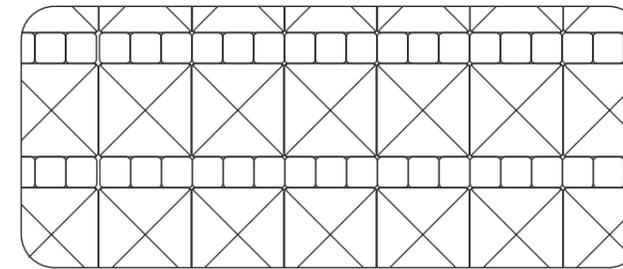




Unleash your creativity

Pattern

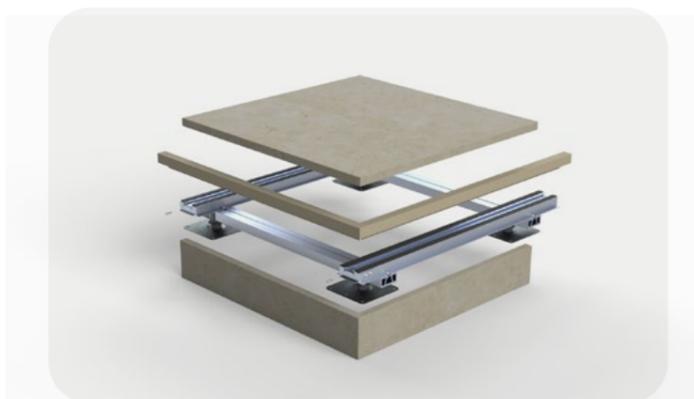
TerraSmart Rail opens up design opportunities for raised paving to a new level. Rather than being bound by the limitations of single point support systems, the lattice rail concept enables intricate configurations resulting in phenomenal versatility and a wide variety of patterns.



Options

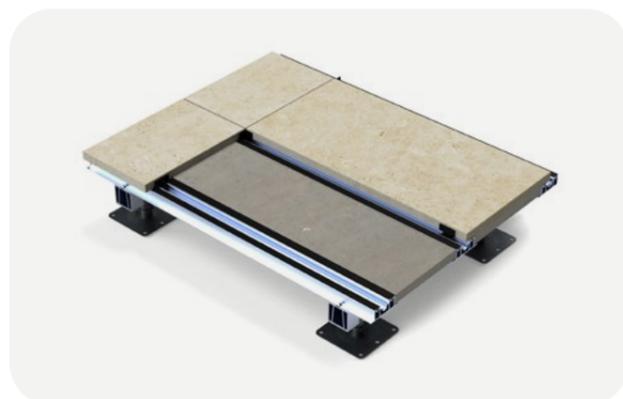
Vertical Closure

The vertical closure allows for the creation of steps and vertical edges of the paved area. Fixed into the top rail, the vertical closure can work in all directions.



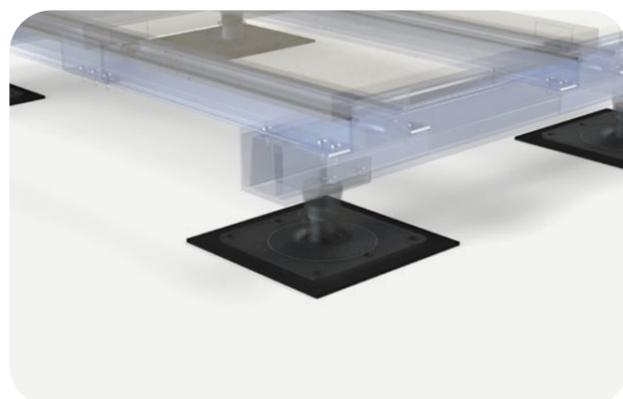
Paveboard

When full support is required for the desired floor finish, PaveBoard™ is the answer. Incredibly rigid and resistant to the elements, PaveBoard™ can simply be cut to size and placed on the flanges of the top rail to fully support the paving. It can also be bonded with tile adhesive in the traditional way, meaning that tiles down to 10mm thick can be installed!



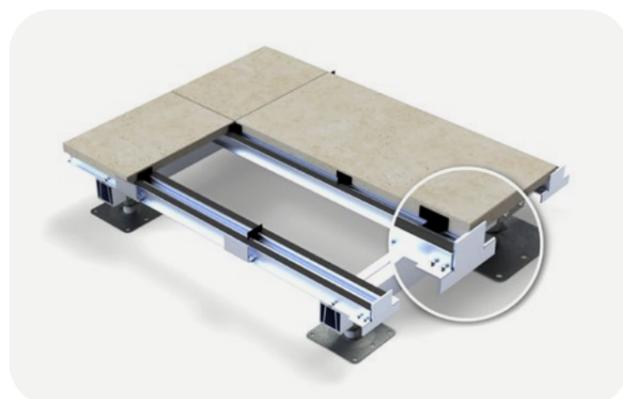
Shockpads

Base shock pads can be installed under pedestal/support base to enhance acoustic properties, or to provide additional protection to the membrane.



Stop Brackets

Paving stops hold the paving in place to ensure no movement can occur. The stop brackets should be fixed into the top rail around the paving area for maximum support.



Options

Single Rail

The top rail can be installed directly onto the supports where very low build-ups are required, without a primary joist. This method reduces the overall height of the system.



Low-height Support Cleat

For use where very little height build-up is available. Joist cleats are height adjustable, catering for falls, or to meet door thresholds while contributing as little as 3mm build-up. Manufactured from high-quality aluminium, with a wide base for spreading weight evenly.



Paving Spacers

Cross-spacers, t-spacers, and straight-spacers available to achieve a wide range of paving formats and consistent spacing between slabs, with 2 or 4mm spacer thickness available as standard (other thicknesses available on longer lead time).



Spreader Plate

For applications where the substrate requires lower point pressure, the 170mm circular spreader plate can be attached to the underside of the pedestal base



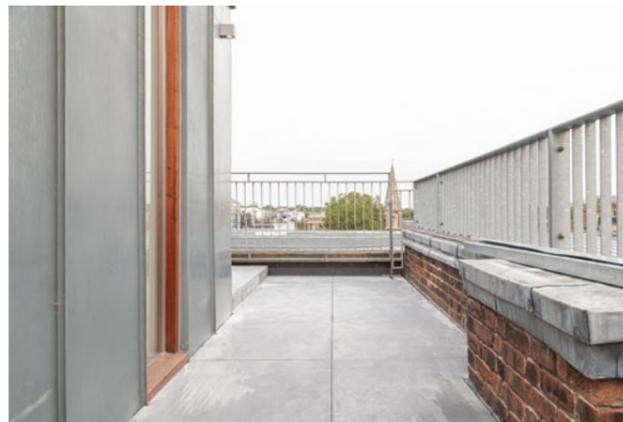
Inspiration for your project



The Factory, Islington Salero Architects

Located in Islington, The Factory is a large former Edwardian-era print-works which was redeveloped in the late nineties. The open-plan living afforded by Warehouse Conversions is just one of the reasons they are increasingly sought after in the property market.

At the project's inception, it was established that TerraSmart Rail would be needed due to the size of the porcelain tiles. Ryno PaveRail™ Non-combustible Paving System provides a completely rigid - as well as Euroclass A1 and A1fl fire-rated - platform, ideal for unusual paving tiles.



What's next?

Inspiration

Did you flick through this brochure finding yourself thinking about a specific project? Well, we can help you out! Give our specification team a no-obligation, quick call today to answer any burning questions you might have, and find out if this is the system for you.

Design

Our specification team are invested in your success first and foremost. If you tell them what you want, they will find a way to make it possible. When you keep up with them during a project, they focus on finding you bespoke solutions to keep costs down and keep the project safe.

Support

We don't just ship your system and then send you on your way! We want to make sure that you are supported wherever and whenever you might need it. We know that things can change at the flick of a switch, so whatever you need, our project delivery team are here to help.

Finish

Once all is said and done, drop in past The Studio in Clerkenwell for a friendly smile and a good cup of coffee, or get yourself booked in for a RIBA-certified CPD to keep up-to-date with the changing landscape of balconies and terrace compliance



View the rest of the **TerraSmart®** range



TerraSmart®

Vitrified Composite® Decking System

A1 fire-rated, wood effect decking systems for waterproofed substrates



TerraSmart®

Pedestal Paving System

Straightforward, robust paving system for waterproofed substrates



TerraSmart®

Aluminium Decking System

Decking system for waterproofed substrates

TerraSmart®

Composite Decking System

Wood-plastic composite decking system for outdoor spaces

TerraSmart®

Pedestal Paving System

Straightforward, robust paving system for waterproofed substrates, **where non-combustibility isn't required**

TerraSmart®

Rail Paving System

Premium, versatile paving system for waterproofed substrates, **where non-combustibility isn't required**