



akasisōn

Siphonic rainwater drainage

 Interactive specification guide


alixis

Powerful roof drainage from the experts

With an ever-increasing trend of extreme weather events such as prolonged or intense rainfall, a traditional roof drainage system may be unable to keep up.

A large accumulation of rainwater on rooftops is often the result of an overwhelmed rainwater drainage system that is unable to remove the water fast enough.

Unfortunately this can lead to serious problems such as water ingress and even structural damage due to the sheer weight of undrained water on roofs.

To combat this, a traditional roof drainage system often requires more outlets to be installed and the pipework needing to be positioned at steeper angles to cope with higher volumes of water. This results in valuable building space being used up reducing building design flexibility.

Akasion is a powerful rainwater drainage system designed to clear rainwater from roofs quickly through the power of siphon, without the complexity of traditional drainage systems.



Range introduction

Akasion is engineered to siphon large volumes of rainwater from roofs quickly and efficiently.

With Akasion the number of required outlets and pipes is greatly reduced. Furthermore, pipes are smaller in diameter and do not need to be installed at a gradient, saving you valuable building space, material and labour costs, while providing total design freedom.



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Features and benefits

Traditional gravity system

Akasion

Speed of rainwater removal



Slow

Relies on gravity



Fast

Uses the power of siphonage

Roof coverage



Excessive

Many outlets required to cover a roof



Excellent

Fewer outlets required as water is drawn away efficiently

Space required



Extensive

Requires a large gradient and large diameter pipes



Minimal

No gradient needed, more efficient smaller diameter pipes

Water drainage capacity



Low

Allowing for water and air



High

Only needs to allow for water

Material and labour costs



High

Requires more outlets, downpipes and underground connections to be installed



Low

Fewer outlets, downpipes and underground connections

Building options



Restricted

Due to space and gradient constraints



Flexible

Greater design freedom, increased internal building space



Harness our expertise

From specification and design through to installation we will...

1.

Find the perfect solution for your roof

State-of-the-art, industry-leading software allows us to create a bespoke solution for you, optimising the materials required while maximising system performance.

2.

Provide you with a BIM/Revit ready design

Ensuring that our design integrates with your existing BIM model for smooth implementation

3.

Connect you with approved contractors to fit our fully warranted system

Our contractors are experts in siphonic drainage and work according to Aliaxis' exact specifications and stringent health and safety standards.

To get started...

Simply provide our team with a brief overview of your project and we'll do the rest!

[Click here to get in touch](#)





Areas of application

Akasion is suited to any type of building or roof finish.

It is especially suited for large and complex roofs in multi-occupancy buildings like residential dwellings, offices, schools, universities, or retail, as well as industrial structures where:

- pipework positioning is critical due to space constraints or to offer greater design flexibility
- floor space is at a premium
- outlets need positioning not only on roofs but also within gutters
- connecting to rainwater harvesting or attenuation systems



max 32
Multi-occupancy & retail
• 1785m²
• 10 roof outlets



Bestseller
Offices
• 4600m²
• 50 roof outlets



Mera Spa
Hotel
• 1700m²
• 27 roof outlets



Hyundai
Retail
• 600m²
• 4 roof outlets



Logistic 7r
Warehouse
• 23,900m²
• 88 roof outlets



Quality and certification

- Akasison consists of specialist fittings designed and tested to work seamlessly with our Marley HDPE products; and in combination form the Akasison system. Marley HDPE pipe and fittings are certified to BS EN 1519 – Plastics piping systems for soil and waste discharge under the Kitemark licence number KM545820
- Product development and manufacturing of the Akasison system is completed under a quality management system to ISO 9001 emphasising our commitment to quality, care and our continuous improvements in customer satisfaction
- Akasison Siphonic outlets are certified to EN 1253 – Gullies for buildings and under TÜV licence, certificate number LGA-57215024
- As part of the quality management process, development and manufacturing of the Akasison system is certified to ISO 14001. This standard controls environmental performance; ensuring that permanent environmental improvements are made and maintained

Product warranty

At Aliaxis, we pride ourselves in the quality of our products through extensive testing and design before they are sold and installed. Our Warranty gives building owners and contractors the confidence in the compatibility and long-term performance of Aliaxis products. Offering complete assurance in the design, manufacturing, durability, and quality, ensuring the unlikely failure of a product or system.

Aliaxis UK warrants Akasison Siphonic associated products and tools against material and manufacturing defects for a period of five (5) years starting upon the date of purchase. This warranty applies only when the products are specified, stored, installed, and used in strict compliance with the technical documentation. The warranty certificates and terms and conditions cover the replacement of defective product at no extra cost, however excluding any claims for special, incidental, and consequential damages and/or the removal and reinstallation of them.

Full warranty terms and conditions can be provided as part of the supply and purchase of Aliaxis UK Products. Please ask one of our Aliaxis UK Customer Service Teams for further details regarding Products and Systems Warranties.

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