



# JURASSIC

Home Solutions

## The Importance of SUDS-Compliant Resin Driveways A Sustainable Solution for Modern Homes

### Introduction to SUDS Compliance

In an era of increasing environmental awareness and changing weather patterns, the way we design our homes—right down to our driveways—has never been more important. At Jurassic Home Solutions, we're committed to not only enhancing the beauty of your property but also to providing sustainable, environmentally responsible solutions. This is why we're passionate advocates for SUDS-compliant resin driveways.

### What Are SUDS?

SUDS (Sustainable Urban Drainage Systems) are designed to manage surface water runoff in a way that mimics natural drainage processes. In an increasingly urbanized world where concrete, asphalt, and other impermeable surfaces dominate our landscapes, SUDS offer a crucial solution to several pressing environmental issues.

The core principle behind SUDS is simple yet effective: reduce the amount of surface water that flows directly into our drainage systems and natural waterways by allowing it to permeate naturally into the ground.



### Why SUDS Compliance Matters



#### Flood Prevention

One of the most significant benefits of SUDS-compliant resin driveways is their role in flood prevention. Traditional impermeable driveways contribute to surface water runoff, which can overwhelm drainage systems during heavy rainfall, leading to flooding in urban areas. In recent years, the UK has experienced increasingly frequent and severe flooding events, causing billions of pounds in damage to homes and infrastructure. By installing a permeable resin driveway, you're not just enhancing your property—you're contributing to a collective solution to a growing problem.



#### Environmental Protection

When rainwater flows across impermeable surfaces like concrete or asphalt, it picks up pollutants such as oil, fuel, and debris. This contaminated water then flows into our drainage systems and eventually into our rivers, lakes, and oceans, causing environmental damage. SUDS-compliant resin driveways allow rainwater to percolate through the surface and into the ground below, where natural filtration processes can remove many of these pollutants before they reach our waterways.



#### Groundwater Recharge

Natural water cycles rely on rainwater permeating through soil to replenish groundwater supplies. In urban areas with extensive impermeable surfaces, this natural process is disrupted, leading to lowered groundwater levels. Permeable resin driveways help maintain these natural cycles, allowing rainwater to return to the ground and replenish aquifers—an increasingly important consideration as water scarcity becomes a growing concern in many regions.



#### Planning Regulations Compliance

Since October 2008, planning regulations in England have required that new driveways or paved areas over 5 square meters in front gardens must either be made of permeable materials or direct rainwater to a permeable area within the property. By choosing a SUDS-compliant resin driveway, you're ensuring your property meets these regulations, potentially avoiding complications if you decide to sell your home in the future.





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## How Resin Driveways Achieve SUDS Compliance

Resin driveways achieve SUDS compliance through their unique construction:



### Permeable Structure

Unlike traditional concrete or asphalt driveways, resin-bound surfaces are created by mixing resin with aggregates to form a porous surface that allows water to drain through at a rate of approximately 850 litres per square meter per minute—far exceeding the requirements for even the heaviest UK rainfall.



### Sub-base Construction

A properly installed SUDS-compliant resin driveway includes a carefully designed sub-base, typically consisting of layers of various-sized aggregates. This structure not only provides stability but also creates void spaces that allow water to percolate through and into the ground below.



### Edge Detailing

Professional installation includes appropriate edge detailing to prevent water from running off the sides of the driveway. Instead, the water passes through the permeable surface and into the ground, exactly as intended.

## The Additional Benefits of Resin Driveways

Beyond their environmental credentials, SUDS-compliant resin driveways offer numerous other advantages:



### Aesthetic Appeal

With a wide range of colours and aggregate options available, resin driveways can complement any property style, from traditional to contemporary. Our classic, modern, and timeless ranges offer something for every taste.



### Durability and Low Maintenance

Resin driveways are remarkably durable, with a lifespan of 15-25 years when properly installed and maintained. They resist cracking, unlike concrete, and don't suffer from the weed growth or loose stones associated with gravel driveways. Maintenance is simple—occasional sweeping and periodic power washing are typically all that's required to keep your resin driveway looking its best.



### Accessibility

The smooth, even surface of a resin driveway makes it accessible for everyone, including those using wheelchairs, pushchairs, or mobility aids. This inclusive design feature is increasingly important in our ageing society.

## Choosing the Right Installer for Your SUDS-Compliant Resin Driveway

Not all resin driveways are created equal, and proper installation is crucial to ensure both SUDS compliance and longevity. Here's what to look for:

### Experience and Expertise

As a family-run business with over 20 years of combined experience, we at Jurassic Home Solutions understand the intricacies of installing truly SUDS-compliant resin driveways. Our team has the knowledge and skills to ensure every aspect of your installation meets the highest standards.

### Quality Materials

We use only industry-leading materials, including UVR resin that resists yellowing and premium aggregates from Derbyshire Specialist Aggregates. Quality materials ensure your driveway not only looks beautiful on day one but continues to perform and impress for many years to come.

### Comprehensive Service

From initial consultation through design and installation to aftercare advice, working with a company that provides end-to-end service ensures a smoother process and better results.

