



**RSL**  
PRODUCT GUIDE

The UK's leading  
Resin Manufacturer

**Right Resin. Right People.**

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## KEY

EDUCATION



AUTOMOTIVE



AEROSPACE



CUSTODIAL



INDUSTRIAL



PHARMACEUTICAL



FOOD & DRINK



RETAIL



# WELCOME

RSL offer an extensive range of proven resin systems suitable for many and varied types of environments. Our team of industrial chemists are constantly working to develop a proven formulae to create the ideal flooring solution for your project.

We have developed our product range for over three decades and are proud that once a product is formulated to our satisfaction we maintain consistency with supplying the finished material by sticking to this formula.

One of our market leading products, Resuthane, has been manufactured to the same formula for over 12 years and has one of the most creditable guarantees within the resin industry.

We provide a full specification service to assist you to ensure you specify the correct product for your project. Whether you require a slip resistant, hard wearing, chemical resistant or decorative finish RSL have the right resin for your bespoke requirements.

Inside you will find easy to view, key information about RSL's resin flooring systems as to which industries each product is suitable for. This guide is provided to help you make an informed decision regarding the resin system which best meets your requirements.

For more information and further assistance please contact our expert sales and technical teams:

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# EPOXY RESIN FLOOR COATINGS

Epoxy resin floor coatings provide hard wearing surfaces which are ideal for most industrial environments. Products within this range are easy to clean, have low odour during application and can provide properties such as chemical resistance, slip resistance and a non-dusting finish.

Products found in this range include:

- Resucoat HB
- Resuseal WB
- Resutop
- Resuline
- Resucoat Profile



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# RESUCOAT HB

Resucoat HB is a two-pack solvent free, high build epoxy resin coating for heavy duty application. The coloured high gloss finish is hard wearing and has good general chemical resistance. Resucoat HB has a low-odour during application and provides a sealed, continuous and hygienic floor surface when cured. It is easily applied by brush or roller and provides a tough resilient finish. Anti-slip finishes can be achieved by the inclusion of aggregates such as Aluminium Oxide or Bauxite.

## Product Benefits:

- High build coatings can be installed in one application if required
- Hygienic and easy to clean and maintain
- Good colour stability
- Suitable for application where a seamless finish is required
- Aggregates can be incorporated for improved slip and abrasion resistance properties
- No shrinkage on curing
- Available in a range of colours. Special colours can also be produced

## Where to use:

Resucoat HB is suitable for most industrial floors including concrete, sand and cement screeds. It provides a hard wearing, decorative, and dust-free finish. Resucoat HB is ideal for use throughout various industries including the food sector, where solvent-based products are unacceptable but seamless finishes are critical. The chemical and oil resistant properties of Resucoat HB make the product ideal for factory and warehouse units, automotive workshops and areas where a tough cleanable finish is required.



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# RESUSEAL WB

Resuseal WB is a water based epoxy resin floor and wall coating which will provide a durable and seamless finish.

Resuseal WB is primarily formulated for general application in all areas of industry where a seamless, dustfree coating is required. Resuseal WB Standard can be applied to new (green) concrete 7 days after being poured.

## Product Benefits:

- Low odour
- Overnight cure at ambient temperatures
- Slip resistant finish when combined with an aggregate
- Resistant to most fuels and lubricants
- Hard-wearing
- Non-dusting
- Available in a range of colours
- Superior colour stability

## Where to use:

Resuseal WB is ideal for use in the food industry e.g. dairies, breweries and bakeries where solvent based products are prohibited. The seamless, chemical/oil resistant properties also make Resuseal WB ideal for workshops, warehouses, supermarkets and general industrial usage.



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# RESUTOP

Resutop two-pack epoxy resin coatings provide seamless finishes where a hard wearing floor surface is required. Resutop is a high build solvent free system which offers a versatile, durable and attractive gloss finish in a range of colours. Whilst principally designed for application to concrete Resutop can be applied to a range of substrates with the correct primer. Resutop is a 100% solids content product.

## Product Benefits:

- Abrasion and impact resistant
- Chemical resistant
- Easy to clean and maintain
- Good colour stability
- Suitable, where a bacteria-free finish is important
- Slip-resistant when aggregates are incorporated
- Good light reflection finish
- No shrinkage on curing
- Resutop LV is Skydrol and Hyjet resistant

## Where to use:

Resutop floor coatings are suitable for use in most industrial environments and can be applied onto concrete, polymer screeds and other substrates. Resutop provides a durable, decorative and easy to clean surface. It is a low odour product ideal for use in the food industry for preparation, processing & storage areas. The hard wearing and chemical/oil resistant properties also make Resutop ideal for use in showrooms, display areas, supermarkets, warehouses, aircraft hangars and workshops.

## Other grades available are:

**Resutop FH** - A fast curing grade with good chemical resistance at ambient temperatures.

**Resutop Cold Cure** - At a surface temperature of 5°C the coating will cure in 18 hours to accept light traffic.

**Resutop LV** - A more chemical resistant system for areas where more aggressive chemicals are in use.



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# RESULINE

Resuline is a fast curing two-pack, high build system for application of lines and hatching to floors. The coloured gloss finish is hard wearing and has good chemical resistance.

Resuline can be applied to a variety of surfaces and finishes subject to appropriate preparation. It can be applied by brush or roller with the minimum of creep even on textured surfaces.

## Product Benefits:

- High build one coat line marking product
- Formulated for minimal creep at line edges
- Low odour
- Glass beads and clear aggregates can be applied as a surface dressing
- Excellent gloss finish
- No shrinkage on curing
- Fast setting and easy to use

## Where to use:

Resuline is suitable for most industrial floors including concrete, sand and cement screeds and provides a hard wearing, coloured line marking. This product is particularly useful in areas where a fast return to service is required such as walk ways and traffic areas. It is also suitable within areas used for food production and within hospitals and breweries.



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# RESUCOAT PROFILE

Resucoat Profile is a textured two-pack solvent-free, high-build, epoxy resin system. It is suitable for application as a heavy duty, non-slip floor coating at a thickness from 180 to 500 microns. The coating will provide a textured gloss coloured finish to which anti-slip aggregate is pre-dispersed within the material. Applied by roller and paint brush this product is low odour and produces a seamless, hard wearing, hygienic floor finish.

## Product Benefits:

- Excellent slip resistance with textured finish
- High-build finish
- Solvent free
- Hygienic and easily cleaned
- Good colour stability
- Available in a wide range of colours

## Where to use:

Resucoat Profile is ideal for use in areas where a heavy duty, slip resistant flooring is essential such as; Food processing and beverage areas, chemical plant rooms, engineering workshops, automotive & aviation areas, factory units and warehouses. Resucoat Profile is also excellent for all demarcation and walkways.



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# EPOXY RESIN FLOOR SCREEDS AND SELF SMOOTHING FINISHES

Epoxy resin screeds and self-smoothers are hard wearing resin systems which can provide properties such as chemical resistance, slip resistance and enhanced hygiene. Decorative finishes can also be achieved by adding coloured flakes or aggregates.

Products in this range include:

- Resufloor
- Resuscreed 43 & 50
- Resucrete
- R.S Multigrip



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# RESUFLOOR

Resufloor is a self-smoothing, epoxy resin seamless floor finish, combining outstanding wearing properties with chemical resistance and aesthetic appeal.

Resufloor is available in a range of colours and is ideally suited to areas where maximum cleanliness is essential. Additional decorative effects can be produced by the introduction of coloured plastic flakes, lightly scattered on the surface and sealed.

## Product Benefits:

- Seamless and slightly flexible
- Easy to clean and maintain
- Chemical resistance
- Seamless
- Decorative
- Hygienic; does not support fungus or bacterial growth
- Non-dusting
- Available in a range of attractive colours

## Where to use:

Resufloor is suited to areas where jointed finishes (tile, sheet) are not acceptable. It is ideal for areas where maximum cleanliness and durability is paramount including food processing, laboratories, clean rooms, operating theatres and general light industry.

## Other grades available are:

**Resufloor FX** - A self-smoothing seamless flexible, polyurethane modified epoxy resin floor finish. It is hard-wearing, has good chemical resistance and is easy to clean and maintain. Resufloor FX is ideal for flooring systems that may be prone to slight movement.



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# RESUSCREENED 43

Resuscreed 43 is a low odour, heavy duty, epoxy resin floor screed.

Normally laid from 5-6mm nominal thickness Resuscreed 43 provides good impact resistance and durability. Sealing is necessary where impervious finishes are required.

## Product Benefits:

- Low odour
- Hard wearing
- Durable
- Easy to apply to achieve good quality smooth surfaces
- Suitable for localised repairs prior to resurfacing
- Non-dusting
- Can be feather-edged

## Where to use:

Resuscreed 43 is ideal for heavy duty industrial applications including engineering and chemical production, food production and preparation areas, automotive and hygiene conscious environments.



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# RESUCRETE

Resucrete is a three pack, resin rich, heavy duty epoxy resin screed, laid from 6mm to 9mm nominal thickness.

Resucrete has good chemical resistance, high compressive and flexural strengths with good impact resistance. It is designed to withstand aggressive cleaning methods, including steam cleaning and high pressure washing.

## Product Benefits:

- Excellent adhesion
- High compressive, tensile and flexural strengths
- Impervious
- Slip resistant
- Abrasion and impact resistant
- Good general chemical resistance
- Self sealing
- Low odour and solvent free

## Where to use:

Resucrete is designed for use on areas subject to high impact usage where a seamless finish is required which would include food manufacturing/ processing environments e.g. butchers, bakeries, hotel and hospital kitchens, public house cellars in addition to areas subject to heavy duty usage, such as heavy engineering plants, pharmaceutical and chemical production environments.



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# MULTIGRIP

RS Multigrip is an epoxy resin based binder for an anti-slip finish.

A three component epoxy resin base scattered with coloured quartz or special aggregates for a decorative finish. RS Multigrip systems provide a hard wearing surface with a slip resistant finish.

## Product Benefits:

- Slip resistant
- Hard Wearing
- Decorative finish
- Varied range of finished systems

## Where to use:

RS Multigrip is suitable for a range of industrial and manufacturing areas, paths, walkways, treads and wet areas requiring a high slip resistance. RS Multigrip can be applied without primer on certain surfaces subject to surface preparation, due to the high resin content. Resutop coatings can be used to achieve a sealed surface for ease of cleaning.



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# POLYURETHANE FLOOR COATINGS

Polyurethane coatings provide hard wearing seamless finishes. Footfall can be achieved within 24 hours at ambient temperatures. Typical properties achieved from this range of products are abrasive and chemical resistance with hygienic and slip resistant finishes.

Products in this range include:

- Resupen WB
- Resutile
- Resudeck



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# RESUPEN WB

Resupen WB is a water based two pack polyurethane coating, designed for application onto numerous substrates, quartz screeds or self smoothing systems.

Resupen WB can also be applied onto walls as a durable seal coating. A water based polyurethane coating for sealing porous surfaces and providing a protective coating.

## Product Benefits:

- Available in silk and matt grades
- Available in clear or colour
- Resistant to hot water
- Good chemical resistance
- Durable
- Light Fast

## Where to use:

Resupen WB can be applied as an additional protective coating for both polyurethane and epoxy resin systems. Resupen WB can be used with Resufloor, Resuscreed Quartz, Psychedelia, Terrain and RS Terrazzo systems in all types of industrial environments. Resupen can also be used as a UV stable floor coating.

## Other grades available are:

**Resupen WB Clear Matt** - Has a matt finish coat, designed for application onto decorative screed systems.

**Resupen WB Colour** - Pigment for opacity and a UV stable pigmented coating.

**Resupen WB Wall coating** - Available in white or pastel shades.



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# RESUTILE

Resutile is a high grade, two-pack, hard wearing polyurethane floor coating designed for maximum chemical resistance.

It is light-fast, flexible and resistant to high temperatures. Resutile provides an attractive gloss finish which is available in a range of colours, making it an ideal choice for areas which need to be aesthetically pleasing as well as functional.

## Product Benefits:

- Maximum chemical resistance
- Seamless
- Easy to clean
- Light-fast
- Resistant to thermal shock and hot water
- Hygienic - does not support fungus or bacterial growth
- Attractive range of colours available
- Skydrol resistant

## Where to use:

Resutile is ideal where a seamless finish is required for typical environments such as laboratories, chemical plants, aircraft hangars, vehicle maintenance bays, mortuaries, and toilets.

Other grades available are:

**Resutile Matt** - Matt finish grade of Resutile produced as a three-pack product.



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# RESUDECK

Resudeck is a two-pack, high build, solvent free polyurethane floor coating which forms a tough and durable finish with resistance to light-medium chemical attack.

It can also be used in wet environments. Resudeck is resistant to hot water and can be steam cleaned. Antislip finishes can be achieved by incorporation of suitable aggregates.

## Product Benefits:

- Low odour
- Dries overnight at ambient temperature to receive foot traffic after 24 hrs
- Slip-resistant
- Excellent resistance to most fuels and lubricants
- Available in a range of attractive colours

## Where to use:

Resudeck is designed for application in heavy duty industrial areas, such as food units, bakeries, basement car parks and plant rooms. Resudeck can be applied onto concrete, wood and asphalt. Metal surfaces may also be treated, in conjunction with a compatible, metal primer.

Other grades available are:

**Resudeck E35** - Is a flexible grade for decking and areas where flexibility is required.



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# POLYURETHANE FLOOR SCREEDS & SELF SMOOTHING FINISHES

Polyurethane resin screed systems provide excellent heavy duty usage with resistance to thermal shock, abrasion and chemical attack in aggressive industrial environments.

Products in this range include:

- Resuthane TG69
- Resuthane SL
- Resugrip



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# RESUTHANE TG69

Resuthane TG69 is a water based polyurethane resin screed for heavy duty usage with resistance to thermal shock, abrasion and chemical attack in aggressive industrial environments.

Resuthane TG69 provides a matt textured seamless finish with excellent slip resistant properties. It is able to withstand steam cleaning and pressure washing, with resistance to boiling water and process liquids up to 100oC when applied at 9mm nominal thickness.

## Product Benefits:

- Chemical resistance
- Resistant to hot water, steam cleaning and pressure washing
- Self-sealing
- Slip resistant
- Matt finish
- Hard wearing
- Non-taint

## Where to use:

Resuthane can be used in all areas where a seamless chemical resistant or slip resistant floor is required. This product is ideal for areas such as food manufacture, production, processing, chemical processing, and heavy duty plant and traffic areas. Resuthane has been tested and approved by Campden BRI.

## Other grades available are:

**Resuthane TGF69** - Provides a textured finish with a fine grade blend of aggregates.

**Resuthane TGC90** - Provides a textured finish with a coarse grade blend of aggregates.

**Resuthane RS69** - For rake and trowel application.

**Resuthane JT40** - Coving system to complement the range of products.



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# RESUTHANE SL

Resuthane SL is a coloured, self-smoothing, water-based, polyurethane resin floor finish.

Products within this range can be laid from 3mm to 5mm nominal thickness. It provides a seamless finish which is chemical resistant, durable and dust-free.

## Product Benefits:

- Seamless
- Hard wearing
- Matt finish
- Hygienic - does not harbour bacteria.
- Non-dusting
- Chemical resistance
- Non taint

## Where to use:

Resuthane SL is ideal for use in large or small areas where a smooth continuous flooring system is required. Resuthane SL has been tested and approved by Campden BRI.

Other grades available are:

Resuthane SL23 - 3mm nominal thickness

Resuthane SL45 - 5mm nominal thickness

The nominal thickness levels are based on full units applied onto a smooth, lightly contoured surface. Heavily abraded or rough surfaces will require more material.



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# RESUGRIP

Resugrip is a three component, polyurethane binder for surface dressing with aggregates.

Resugrip systems provide hard wearing and slip resistant finishes. It provides an effective way to create a decorative finish outside with the use of different aggregates, providing different effects & finishes.

## Product Benefits:

- High bond strength
- Will cure at low temperatures down to 5°C
- Good chemical resistance
- Solvent free
- Hard wearing
- Slip resistant
- Use a range of aggregates for different decorative effects

## Where to use:

Resugrip is suitable for exterior walkways, treads and wet areas requiring a high slip resistance it can also be applied to weathered stable tarmac, asphalt and concrete.



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# ANTI-STATIC FLOORING SYSTEMS

Anti-static floor systems are used in projects where the finish is required to have an electrical conductivity leakage resistance. The systems are produced to give anti-static readings in line with BS2050.

Products in this range include:

- Resustat ESM
- Resustat SL23
- Resustat TG69
- Resustat Terrazzo



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# RESUSTAT ESM

Resustat ESM is a three pack anti-static epoxy resin based flooring system.

Provides a gloss finish laid at 3mm nominal thickness. Resustat ESM meets the performance requirements of BS 2050 for industrial floors.

## Product Benefits:

- Seamless
- Chemical resistant
- Easy to clean and maintain
- Anti-static to BS2050 for industrial application

## Where to use:

Resustat ESM is ideal for use in areas where there is a requirement for anti-static properties and chemical resistance such as laboratories, hospitals (anesthesia and operating theatres), explosive factories, painting booths, printing factories and electrical component production.



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# RESUSTAT SL23

Resustat SL23 is a three pack anti-static, water-based, selfsmoothing, polyurethane resin seamless floor.

Provides a matt finish laid at 3mm nominal thickness. Resustat SL23 meets the performance requirements of BS 2050 for industrial floors.

## Product Benefits:

- Seamless
- Hygienic
- Non-dusting
- Chemical resistance
- Anti-static to BS2050 for industrial application

## Where to use:

Resustat SL23 is ideal for use in areas where there is a requirement for anti-static properties and good chemical resistance. The smooth matt finish provides a level of slip resistance, whilst retaining easy to clean properties. Resustat SL23 is ideal for use in processing areas and packing areas for solvents, drinks, powders and pharmaceuticals, and for the assembly of electronic components etc.



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# RESUSTAT TG69

Resustat TG69 is a water-based polyurethane resin screed designed to provide excellent heavy duty usage with resistance to thermal shock, abrasion and chemical attack.

Resustat TG69 provides anti-static performance compliant with BS2050 for industrial applications. It provides a matt, textured surface that is seamless with good slip resistant properties.

## Product Benefits:

- Chemical resistance
- Resistant to hot liquids
- Self-sealing
- Slip resistant
- Hard wearing
- Non-taint
- Anti-static to BS2050 for industrial application

## Where to use:

Resustat TG69 is ideal for all areas where chemical resistance and anti-static properties are required, including: electronics industry, food manufacture & process and areas of potential of static electric build-up.



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# RESUSTAT TERRAZZO

Resustat Terrazzo is a water based, polyurethane, anti static terrazzo system which can incorporate various aggregates to produce different aesthetic effects.

It produces a decorative seamless floor that meets the performance requirements of BS2050 for industrial application.

## Product Benefits:

- Durable
- Impact resistance
- Chemical resistance
- Non-taint
- Complies with BS2050 requirements for industrial application

## Where to use:

Resustat Terrazzo is ideal for prestige industrial work areas such as pharmaceutical and electronics manufacturing where a durable and decorative anti-static compliant floor is required. Areas where there is both a high wear and aesthetic decorative requirement such as hospitals and electronic industries.



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