



RESUT HANE
A GLOBAL LEADER IN HYGIENIC FLOORING
RIGHT RESIN RIGHT PEOPLE

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RESUTHANE

A WORLD-CLASS HYGIENIC FLOORING SYSTEM

The Resuthane range uses cutting-edge flooring technology, specified by some of the world's largest organisations, where quality matters. Resuthane provides hygienic, chemical resistant and anti-slip flooring solutions that are hardwearing; the ideal choice for the most demanding food processing & industrial environments.

A Proven Formula

Resuthane is a proven formulation, tried & tested over 10 years. Only high quality raw materials are used to produce Resuthane, manufactured in the UK by RSL. Resuthane is a renowned product you can rely on to stand the test of time.

10 Year Guarantee

RSL provides 10 year guarantee for Resuthane TG grades. A proven formula since 2000, you can rely on Resuthane to deliver an unbeatable flooring solution.

Testing

A proven product used widely throughout the Food & Beverage sector Resuthane is approved as a non-taint and food safe product by Campden BRI; the UK's largest independent food and drink research & development organisation.

All Resuthane products are independently tested for slip and abrasion resistance, by Aston University in accordance with BS 8204 Part 2.

The Resuthane Range

The Resuthane range of water-based polyurethane screed systems is available in different grades, suitable for a wide range of environments and application methods. For help choosing which product meets your specification please contact RSL.

Products in the Resuthane range

Resuthane TG69	6-9mm trowel applied screed
Resuthane TGF69	6-9mm trowel applied screed with fine aggregate
Resuthane TGC90	9mm trowel applied screed with coarse aggregate
Resuthane RS69	Resin rich, 6-9mm screed that can be applied by rake and spike
Resuthane SL23	2- 3mm trowel applied self-smoothing screed
Resuthane SL45	4-5mm trowel applied screed
Resuthane JT40	Coving material
Resuthane Terrazzo	6-8mm trowel applied decorative screed

Benefits for you

- Slip resistant
- Hygienic; does not harbour bacteria
- High chemical resistance
- Resistant to hot water & steam cleaning
- Self-sealing
- Matt finish
- Extremely hard wearing
- Non-taint (tested by Campden BRI)
- Seamless
- Non-dusting



[INTRODUCTION](#)[PRODUCT RANGE](#)[BENEFITS](#)[WHERE TO USE](#)[CASE STUDIES](#)[TECHNICAL DATA](#)[CUSTOMERS](#)[IMAGE GALLERY](#)[CONTACT](#)

Where to use Resuthane:

- Food Manufacture & Processing
- Chemical Plants
- Medical & Veterinary Practices
- Breweries & Dairies
- Animal Husbandry Facilities
- Heavy Duty Plant & High Traffic Areas
- Engineering

Resuthane TG69 - Gate Gourmet

Gate Gourmet, the world's largest independent provider of catering and provisioning services for airlines and railroads was setting up a new catering unit and required a flooring solution for this demanding environment.

Situation

The new Gate Gourmet unit had a very hard concrete sub floor and the 3000 sq metre floor area required a very hard long lasting, seamless, hygienic industrial flooring system appropriate for food manufacture and production.

Solution

The architects & surveyors specified RSL's leading polyurethane resin screed product; Resuthane TG69. Resuthane is a water based polyurethane resin screed and is ideal for environments with heavy duty usage where resistance to thermal shock, abrasion and chemical attack is important.

Resuthane surfaces are stable to steam cleaning and resistant to boiling water and process liquids up to 100 degrees centigrade. A matt, textured surface is achieved that is both seamless and has good anti-slip properties.

Process

The concrete sub floor needed thorough preparation; the area was shot blasted to thoroughly prepare the area to ensure a good key for toppings was created. Resuthane was tapered down and toed in along the steel reinforced concrete joints to ensure a seamless finish with as few joints as possible.

Results

A seamless extremely hard wearing flooring system for a demanding food environment.



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1 OF 3



Resuthane TG69 - Billingsgate Market

RSL has given a fresh finish to a City of London landmark, the historical Billingsgate Market. Resuthane TG69 was selected for the Billingsgate fish market floor.

Situation & Solution

The new Resuthane surface replaces a combination of terrazzo tiles, epoxy resin and concrete screeds that were widely acknowledged as being ugly and unfit for purpose.

The new flooring solution is aesthetically pleasing, and provides improved health and safety benefits including a hygienic, slip resistant floor finish.

Process

The old defective 1200m² surface was broken out replaced it with an acrylic infill (Resupol) prior to the application of Resuthane TG69.

Resuthane TG69 is a water based polyurethane screed system that is easy to apply and produces a durable floor surface capable of withstanding heavy wear. It is ideally suited for use in food and drink environments as it can be steam cleaned and withstand boiling water, supporting a rigorous cleaning regime.

Results

Billingsgate Market now has a hardwearing floor which is easy to keep clean in a demanding environment.



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Resuthane TG69 - Kostroma Meats

Background

RSL's Resuthane TG69 has been installed at Kostroma Meats, a processing plant where meat products are manufactured.

Solution

Resuthane TG69 was selected for this project due to the strict and intensive cleaning regimes within the facility which mean that the surface is almost constantly wet with water. The floor finish needed to provide high levels of slip resistance for wet areas. The floor substrate included drainage channels which the floor finish had to incorporate. Resuthane TG69 can be laid to falls to enable water and process liquids to drain into channels to keep the surface as free from water as possible.

In addition Kostroma Meats required a "food safe" flooring product and Resuthane TG69 is a non-taint food product certified by Campden BRI.

Process

The flooring incorporated two colours; Flint (dark grey) and Salsa (red) to highlight different processes performed throughout the plant. The Salsa colour was used for areas where meats are processed and the Flint colour was used to highlight areas which are not classed as high risk.

Results

The result was a hygienic and safe floor finish with high levels of anti-slip.



[Click here for full image gallery](#)

INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT

Technical Information

Abrasion Resistance

Slip Resistance

Chemical Resistance

Drawings

Please click on the buttons to read the relevant information.

Abrasion Resistance

Product Average	Depth of wear (mm)	BS8204 – 2 Classification
Resuthane TG69	0.04	Special / DF
Resuthane SL	0.06	AR1 / DF

Independently tested by Aston University under strict test conditions conforming to BS 8204.

[Back to technical data page](#)



Slip Resistance

Resuthane TG69

Application	Results Dry	Results Wet
As Supplied	> 50	> 45

Resuthane SL

Application	Results Dry	Results Wet
As Supplied	> 46	> 35

Independently tested by Aston University under strict test conditions conforming to BS 8204.

[Back to technical data page](#)

Resuthane Chemical Resistance Chart

AQUEOUS SALT SOLUTIONS @ 20 °C

Chemical	Concentration	Class
Aluminium Sulphate	30%	R
Ammonium Nitrate	30%	R
Copper Sulphate	30%	R
Sodium Nitrate	30%	R
Potassium Dichromate	20%	R
Sodium Hypochlorite	5%	R

AMINES @ 20 °C

Diethylene Triamene	100%	S.T.
n.Amino Ethyl Piperazine	100%	S.T.
Isophorone Diamine	100%	S.T.

ALKALIS @ 20 °C

Ammonia Solution	0.880	R
Sodium Hydroxide	20%	R
Sodium Hydroxide	50%	R
Sodium Hydroxide @ 60 °C	50%	S.T.

SOLVENTS @ 20 °C

Acetone	S.T.
Methyl Ethyl Ketone	S.T.
Cyclohexanone	R
Methyl Isobutyl Keton	S.T.
Butanol	R
Methanol	R
Carbon Tetrachloride	R
Chloroform	S.T.
Trichloroethylene	S.T.
Kerosene	R
Petrol	R
Monomethyl Benzene (Toluene)	R
Dimethyl Benzene (Xylene)	R
Tri-methyl Benzene (Shellsol 'A')	R
White spirit	R
Ethyl Glycol Acetate	R
Butyl Acetate	R

[Back to technical data page](#)

KEY

R: Resistant to continuous splashing or immersion.

S.T.: Resistant to short term contact but surface will suffer permanent damage if swilling/washing is not practiced after 4-6 hours.

Resuthane Chemical Resistance Chart

ACIDS - ORGANIC @ 20 °C

Chemical	Concentration	Class
Acetic	10%	R
Acetic 60 °C	10%	S.T.
Acetic	30%	R
Acetic 60 °C	30%	S.T.
Acetic	100%	S.T.
Acrylic	100%	R
Citric	30%	R
Formic	30%	R
Lactic	30%	R
Maleic	30%	R
Oleic	100%	R

ACIDS – INORGANIC @ 20 °C

Boric	20%	R
Chromic	30%	R

(Staining and/or discolouration may occur)

Hydrochloric	36%	R
Nitric	30%	R
Nitric	69%	S.T.
Phosphoric	20%	R
Sulphuric	20%	R
Sulphuric	98%	S.T.

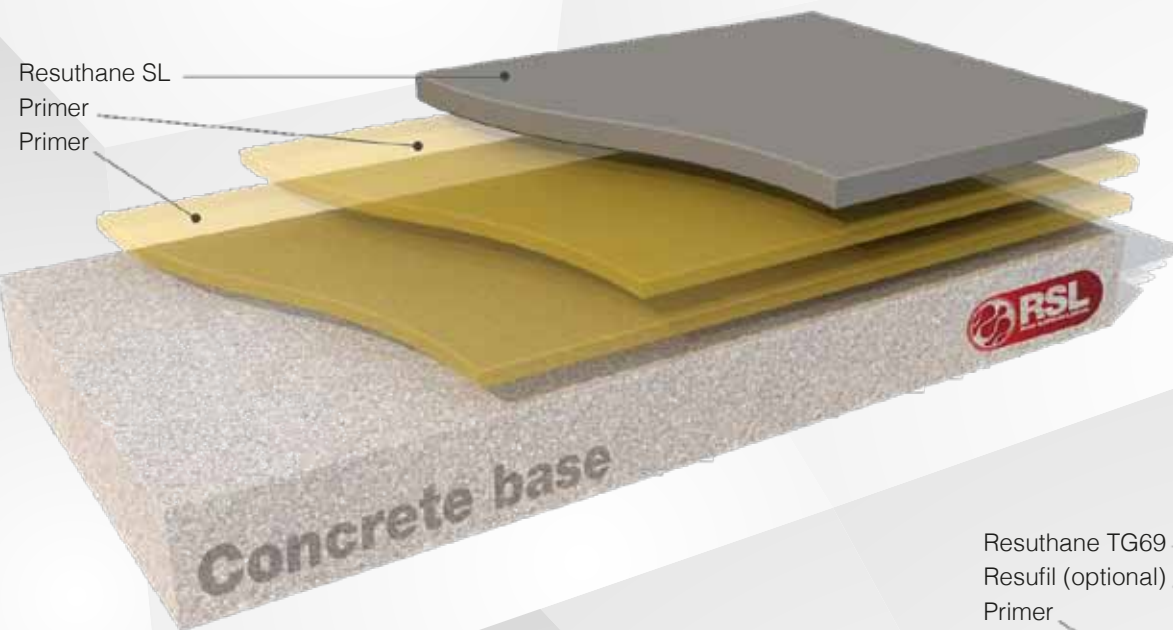
MISCELLANEOUS

Beer		R
Blood		R
Crude Oil		R
Mineral Oil		R
Ethylene Glyco		R
Sugar solution @ 20 °C	30%	R
Urea @ 20 °C	30%	R
Chicken fats @ 20 °C		R

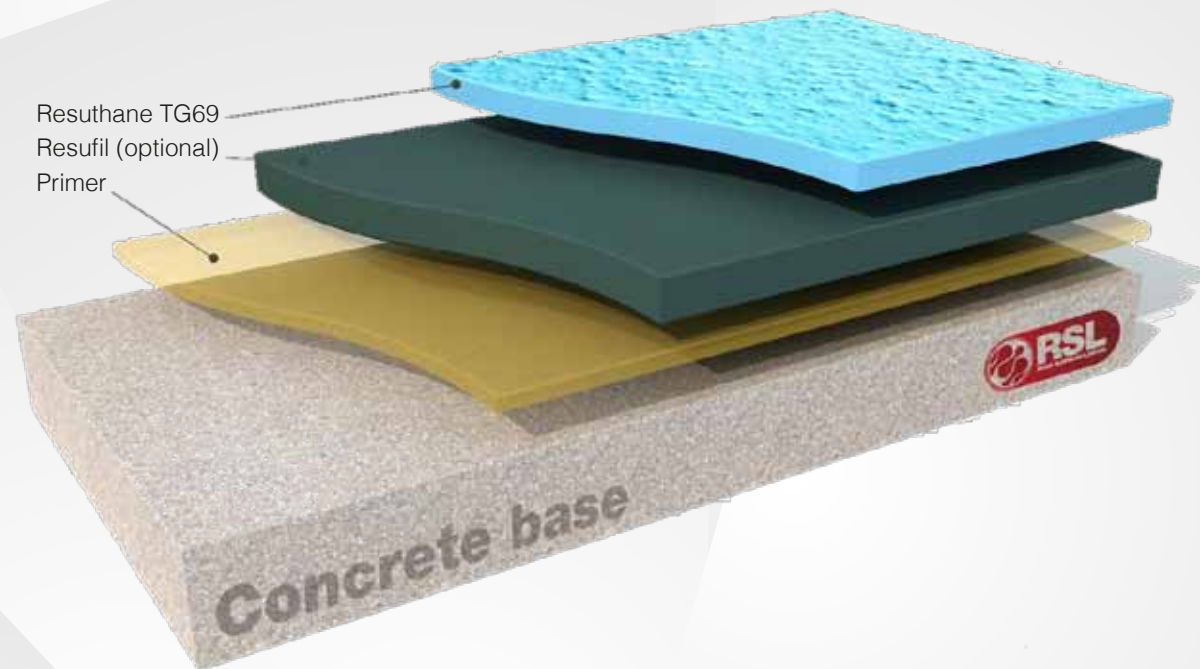
As a general rule Resin Surfaces Resuthane polyurethane flooring systems will be resistant to long term contact with acids and alkalis below 30% concentration at or about 20°C. Above these temperatures and concentrations good housekeeping is essential in order to avoid long term damage. Further advice can be given regarding special circumstances and chemicals or combinations which are not listed. Resin Surfaces polyurethane flooring has good resistance to aliphatic and aromatic hydrocarbons. In practice Ketones and Alcohols do not remain in contact with the surface long enough to effect any damage. Chlorinated solvents, however, can, due to lower evaporation rates and high densities, remain in contact with the floor surface causing softening after long term contact. Care should be taken to ensure that volatile solvents are not trapped against the surface under drums etc. for prolonged periods. Some of the above chemicals may bring about discolouration or staining dependent on colour and exposure, this does not indicate failure of the protective/ functionality of the floor.

[Back to technical data page](#)

Resuthane SL



Resuthane TG69



[Back to technical data page](#)

You are in good company...

As a leading hygienic flooring system Resuthane has been installed at many of the world's leading corporations including:

AstraZeneca 

BAE SYSTEMS



Coca-Cola

BRITISH AIRWAYS 



Cadbury



 **NOVARTIS**

 **Wickes**

INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial kitchen

1 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial kitchen

2 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Meat production

3 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Manufacturing plant

4 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial kitchen

5 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Medical practice

6 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Food manufacturer

7 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial brewery

8 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

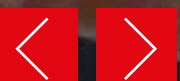
IMAGE
GALLERY

CONTACT



Drinks manufacturer

9 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Industrial unit

10 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Pharmaceutical

11 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial kitchen

12 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Commercial kitchen

13 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Dairy

14 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Meat processing

15 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Food production

16 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Food market

17 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Food market

18 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT



Food market

19 OF 19



INTRODUCTION

PRODUCT
RANGE

BENEFITS

WHERE TO
USE

CASE STUDIES

TECHNICAL
DATA

CUSTOMERS

IMAGE
GALLERY

CONTACT

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