



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Resucrete Data Sheet

Specification notes

Product: **Resucrete**

Supplier:

Arcon Construction Supplies
19-20 Prestwood Court Leacroft
Road
Warrington
WA3 6SB

Tel: **01925 852225**

Email: mail@arconsupplies.co.uk

Web: www.arconsupplies.co.uk

Call 01925852225 or visit [Arcon Construction Supplies](http://www.arconconstruction.com) website

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Resucrete Data Sheet



A **SHERWIN-WILLIAMS** Company



REF : CRNT 2016 11

Resucrete

DESCRIPTION

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

Resucrete offers excellent chemical resistance, high compressive and flexural strengths and very high impact resistance. Resucrete will withstand aggressive cleaning methods including thermal shock from steam cleaning and high pressure washing.

Resucrete is available in 2 grades :-

- Resucrete 16NT - which features a dark Granite speckled finish
- Resucrete TS - which features a White speckled finish

ADVANTAGES

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

RECOMMENDED USES

- Engineering & manufacturing facilities
- Pharmaceutical & Chemical production
- Food factories
- Aviation & automotive facilities
- Commercial kitchens

PRODUCT INFORMATION

System thickness (dry)	Solids content	Pack sizes	Pack make up	Shelf life	Storage
6 mm to 9 mm	100 %	17 kg. & 34 kg.	17 kg. - 1 X Base 1 X Hardener 1 X Aggregate bag 34 kg. - as above except 2 X Aggregate bags	12 months in unopened containers	Keep out of direct sunlight. Store in a dry place, not below 15°C

DRYING TIMES & COVERAGE RATES at 20 ° C

Coverage rate	Pot life	Recoat Time	Light traffic	Full traffic	Full chemical cure
34 kg. unit will cover 2.5 sq m at 6mm or 1.7 sq m at 9mm	30 minutes From mixing	For Seal Coats 12–16 Hours (Depending on Temperature)	24 hrs	72 hours	7-10 days



www.resinsurfaces.co.uk

Specification

Product : Resucrete 16NT

Finish : coloured textured finish,

Thickness : 6-9 mm

Colour : see RSL standard colour charts

Products required for this system

Prime : Resuprime/RS Dampshield

System : Resucrete 16NT (or TS)

Surface Seal : Resupen WB, Resutile Clear or Resutop Clear

Preparation

To achieve the best performance from **Resucrete**, the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm². All surfaces must be prepared by vacuum blasting or mechanical

Priming

Resucrete can be applied onto a wet tack coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 sq.m. per kg. Very rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a tack coat is applied. Alternatively the surface of the wet primer can be scattered with a coarse grade kiln dried sand such as 14 / 25 mesh and then allowed to cure. **Resucrete** must then be applied within 24 hours. If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (number of coats dependent on moisture content).

Application

The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C.

Resucrete 16NT is composed of base resin, hardener and aggregate components. Premix the base unit to ensure a uniform colour. The resin and hardener must be completely mixed by slow speed, forced action mixer and the aggregate then added slowly. The complete mix should be spread evenly and compacted on the floor to the required weight, or thickness, and trowelled smooth. Over-trowelling should be avoided as resin-rich spots may be created.

Resuprime and **Resucrete** should not be applied at temperatures below 10°C as curing at low temperatures will be retarded. When applied in wet or humid conditions, carbamation on the surface may occur.

Resucrete can be left as laid but for improved performance and cleanability, 1 or 2 seal coats of **Resupen WB Clear** should be applied at a rate of 7 sq. m per Litre. This is recommended if the surface will not be subjected to a proper cleaning regime.

Increased profile can be achieved by the inclusion of aggregates , such as Aluminium Oxide, Bauxite or **R.S. Beadgrip** in the final coating. Contact RSL for suitability.

Chemical Resistance

Resucrete offers excellent chemical resistance to a wide range of materials including acids, hydrocarbon solvents and hydraulic fluids against both spillage and short term immersion.

Resin Surfaces will be pleased to advise on specific chemicals/ combinations to ensure that the best level of performance is achieved. Enhanced chemical resistance can be achieved by the application of a surface seal with **Resutile Clear** which will also enhance ease of cleaning.

Category Guide

FeRFA Category : 8

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet Please consult RSL

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult RSL.

Abrasion Resistance	n/a
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of steam cleaning and hot pressure washing
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Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
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Compressive Strength	114N/mm ² (16NT only)
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Flexural Strength	30N/mm ²
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Tensile Strength	24N/mm ²
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VOC	44 g/l Calculation based on a full mixed unit
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Life Expectancy	>10 years plus Subjected to Industrial Traffic RSL terms and conditions will apply
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Resin Surfaces Ltd Titan House, Lowick Close, Newby Road Industrial Estate Hazel Grove, Stockport. SK7 5ED
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BSEN 13813 SR B 3.5 - AR 0.5 - IR>4 Resin coating/screed for use inside buildings as per RSL data sheet Wear resistance: AR 0.5 Bond strength: B 3.5 Impact resistance: IR > 4

Maintenance and Cleaning

RSL recommend that **Resucrete** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover, R.S. Fats and Grease Remover & R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resucrete is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.