



RCC-PAVING-UK LIMITED

"Paving the way into the future with"
"ROLLER COMPACTED CONCRETE"



Building the future™



RCC installs faster, costs less and is more durable than other pavement materials.

Roller-compacted concrete (RCC) helps your paving budget go the extra mile by delivering the high strength and long-term durability of concrete with the low cost and fast installation of conventional pavement materials.

Install it today. Drive on it tomorrow.

RCC was developed in the 1970s as an affordable pavement solution that would stand up to high volumes of heavy loads.

Because it's a drier mix than traditional concrete, RCC is quickly installed with high-density asphalt paving equipment and compacted using vibratory rollers – without forms, rebar or extensive finishing. You simply mix it, place it, compact it and cure it.

RCC minimizes construction costs. And keeps traffic flowing, typically within 24 hours.



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High performance. Without high costs.

While RCC's installation costs are comparable and frequently lower than asphalt pavements, its long-term maintenance costs are far lower, giving it an average of 30% savings over the life of a road.

The superior strength and durability inherent in RCC infuse it with high-performance properties that eliminate common problems that drive up the long-term costs of maintaining streets built with other pavement materials.

With RCC, potholes and street rutting are history. Surface cracking due to heavy loads becomes nonexistent. Fuel and hydraulic fluid spills no longer deteriorate your pavement. And high temperatures won't soften your streets.

Lower lifecycle costs and proven performance make RCC your smartest choice.

RCC ATTRIBUTES

RCC BENEFITS

High flexural strength
(550 – 800 psi)

- Supports heavy traffic
- Withstands concentrated loads
- Spans localized soft areas
- Cuts maintenance costs
- Reduces traffic disruptions

High compressive strength
(4,000 – 6,000 psi)

- Supports heavy traffic
- Withstands concentrated loads
- Eliminates potholes & rutting
- Cuts maintenance costs

High density/low absorption

- Increases pavement durability
- Resists freeze-thaw damage
- Eliminates oil-seepage damage

Low water content

- Increases pavement strength
- Reduces pavement permeability
- Enhances pavement durability
- Reduced Shrinkage / cracking

Aggregate interlock

- Increases joint performance
- Improved load transfer reduces vertical faulting

High solar reflectivity

- Mitigates urban “heat island” effect
- Reduces pavement lighting needs
- Fosters environmental compliance

No rebar or dowels

- Speeds construction time
- Reduces labor costs
- Simplifies site prep and setup
- Eliminates steel corrosion issues

No forms or finishing

- Speeds construction time
- Reduces labor costs
- Simplifies site prep and setup

RCC-PAVING-UK-LIMITED provides additional support services related to construction of your RCC roadways.

Provide RCC design & construction teams

Develop or review your pavement design to ensure it has been optimized for performance, construction expediency and cost efficiency

Develop construction specifications tailored to your project

Provide Engineering cost estimate

RCC has been used successfully on many different applications around the United States & United Kingdom for over 30 years.

Local roads and residential streets

Intersections

Bus lanes

Interstate shoulders

Military installations

Ports

Multi-modal yards

Distribution centers

The cheaper, faster, better way to pave.

Not only is RCC the optimum choice for pavements, but it also supports sustainable development. RCC pavements provide high solar reflectivity, which helps mitigate the urban heat island effect. Roller compacted concrete is also recyclable, further proving that it is a long-lasting building material.



Video: How to Build a Road Using RCC

Contact us today:

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WWW.RCCPAVING.UK

We'll show you how Roller-Compacted Concrete can meet your most demanding project requirements. And help you get more mileage from every Pound in your paving budget.

