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PAVEREX RCC



Building a better future

PAVEREX RCC

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.

Process of R.C.C. Construction

- Sub-base material is levelled and compacted to provide a solid base for the R.C.C.
- Concrete is batched at a low slump and delivered to site in tippers.
- R.C.C. is laid using a conventional asphalt paver. No special equipment is required.
- After laying, RCC is compacted using steel then rubber tyred roller, to achieve compaction and a smooth level surface.
- Sawn joints in R.C.C. between 2 and 18 hours after casting.

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



What is Paverex RCC?

- Paverex Roller Compacted Concrete is a zero-slump concrete with compressive strength greater than 40 N/mm².
- Placed with asphalt pavers to form a non reinforced, concrete pavement.
- Successfully and economically combines strength and durability with ease of construction.

Characteristics

- Very innovative solution.
- Short construction time.
- Surface finish not as smooth as conventional concrete.

Application

- Road Highways
- Local Streets
- Parking Lots
- Industrial Floors
- Airport Runways and Apron
- Rural Roads
- Base for Roads

Benefits

Environmental

- Less fuel consumption
- Reducing CO₂
- Less energy consumption
- Cooler surfaces
- Uses local raw materials

Social

- Better night visibility
- Shorter braking distance
- Tire protection
- Promotes healthier working conditions
- Less traffic disruptions

Economic

- Lower life cycle cost
- Increased durability
- Fuel savings
- Supporting local industry
- Reduction in lighting requirement

PERFORMANCE FOOTPRINT



TECHNICAL DATA

Concrete Grade (N/mm ²)	15 to 50
Durability (RCP, WP, WA)	3000/20/2.0
Maximum Aggregate (mm)	10 or 20
Typical Density (Kg/m ³)	2400 to 2500
Cement Types	OPC, SRC, MSRCP
Supplementary Cements	GGBS