



ROLLER COMPACTED CONCRETE



Roller Compacted Concrete (RCC) is a dry mix concrete which allows for placement without forms and is compacted by vibratory rollers. This provides a durable, low cost, high strength, industrial pavement with no steel reinforcement required.

Roller compacted concrete has been in use for over 80 years and is a tried and true method of concrete placement for targeted applications. RCC demonstrates the benefits for projects such as:

- Heavy trucks and offroad vehicle parking
- Distribution centres
- Industrial storage and yards

DURABLE

RCC is ideal for heavy duty pavement applications, has a long service life and requires minimal maintenance. Decreasing maintenance reduces cost and downtime at your facility.

ECONOMICAL

RCC owes much of its economy to high-volume, high-speed construction methods. Large-capacity mixers set the pace. The product is transported by end dump trucks to high-density pavers that efficiently place the material. The material is further compacted to increase its density, strength, durability, and enhance surface texture.

SUSTAINABLE

In addition to its long service life, the light colour of RCC reduces lighting requirements and keeps the urban environment cooler. The strength of RCC allows for thinner pavement structures, making RCC a competitive and economic choice.

PERFORMANCE AND VALUE OPTIMIZATION

The type and frequency of traffic, soil conditions, weather and local material availability are parameters that affect pavement performance. With our expertise, in material and pavement design, Lafarge optimizes the material and its thickness to provide the best solution. Overall benefits for RCC:

- Can handle light duty traffic within 24 hours while maintaining strength
- Load transfer accomplished through aggregate interlock
- No forms, finishing, dowels or steel reinforcement

QUALITY FROM BEGINNING TO END

Lafarge RCC is supported by our industry leading knowledge and experience in dry mix concrete mix design. Our mobile RCC operations offer unparalleled quality advantages in consistency and assurance, backed by Lafarge Quality Control/Quality Assurance labs. With on-site production and quality supervision, our concrete is produced on demand to meet the needs of our applicators in maximizing efficiency, quality, strength and durability for your project.



"Lafarge Canada Inc. have completed several projects under my direction which have incorporated Roller Compacted Concrete as a major component of the project... We have been extremely pleased with the end results of the work performed by Lafarge and the technical knowledge of their staff with respect to the product."

Hugh Donovan, P.Eng.
Construction Services Engineer
City of Edmonton
Transportation Services

