

Roller Compacted Concrete



SOLID STABLE SOLUTIONS



Initially developed for the Canadian Logging industry in the 1970's, Roller Compacted Concrete (RCC) contains similar ingredients to traditional concrete but in significantly different ratio's. This unique blend requires no forms, finishing or steel reinforcement.

RCC's ease of use provides an economical solution while providing a zero slump concrete and an ultra-tough surface with high compressive strengths. As a result, RCC is becoming an increasingly attractive product for a range of construction applications.



Unique Features and Benefits

Durability RCC is designed to withstand heavy/ repetitive loads, deterioration from fuel/hydraulic spills and performs well in freeze-thaw climates.

Low Maintenance RCC does not require surface sealing or overlays and due to it's overall strength requires little upkeep.

Construction Not requiring any forms or finishing, RCC pavement can often be fully constructed and open for use in as little as 4 hours after placement with heavy use in as little as 24-48 hours.

Heat and Lighting Due to it's lighter grey coloring, the use of RCC can help reduce the urban heat island effect and can help reduce the amount of lighting required for the developed site.

Strength RCC provides high flexural, compressive, and shear strength and results in limited shrinkage.

Ingredient Ratio RCC contains a lower water to cement ratio that traditional concrete, resulting in zero slump concrete.

Cost Efficient RCC provides an overall cost advantage compared to conventional concrete as it requires less cement material, which is usually one of a projects most costly components.

Originally used as a special application material in projects where general aesthetics were secondary to cost and durability, RCC is now more broadly used due to its efficiency and cost effectiveness. If surface appearance and texture is a consideration, RCC can be diamond ground or capped with a thin asphalt or concrete layer making it ideal for residential or commercial applications.