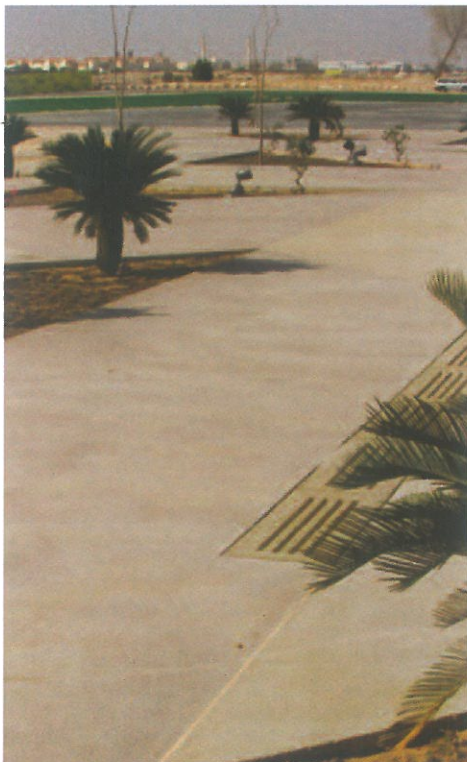


# Artevia

THE ART OF CONCRETE



## ARTEVIA™

### Exposed aggregate concrete

Artevia™ Exposed is a trustworthy and robust exterior concrete

#### APPLICATIONS

- Courtyards, Driveways, Poolside areas, Terraces
- Paths and Parkland promenades, Ramped areas
- Town centre pedestrian areas, Cityscapes
- Stadiums

#### ADVANTAGES

- A natural look and excellent ageing properties
- Low maintenance- no weeding
- Slip resistant surface, Skid resistant
- Will not sink or heave – reduced trip hazards
- Durable (excellent ageing properties)
- Wide choice of colours and decorative aggregate finishes
- Low porosity

#### CHARACTERISTICS

- The depth of etch/ exposure can be varied
- Different grades of retarder are available, from a very light etch to a deep etch. Each grade of retarder is colour coded and contains an integral curing agent that will protect and cure the concrete until the washing process is complete.
- When pigmented concrete is used, a two layer construction can be considered for large pavement areas in excess of 125mm thick. The minimum depth of topping is 70mm.
- Artevia™ Exposed is available in a range of colours, where the intensity and colour of the aggregate at the surface of the exposed aggregate paving is prominent. Colours and colour changes in the cement matrix can be quiet subtle as it is mainly the aggregates that are on view.



## METHOD

- Artevia™ concrete will behave in exactly the same way as conventional concrete.
- As with all decorative concrete, exposed aggregate paving should be designed with particular attention to the expansion joints spacing and locations.

## SURFACE RETARDATION

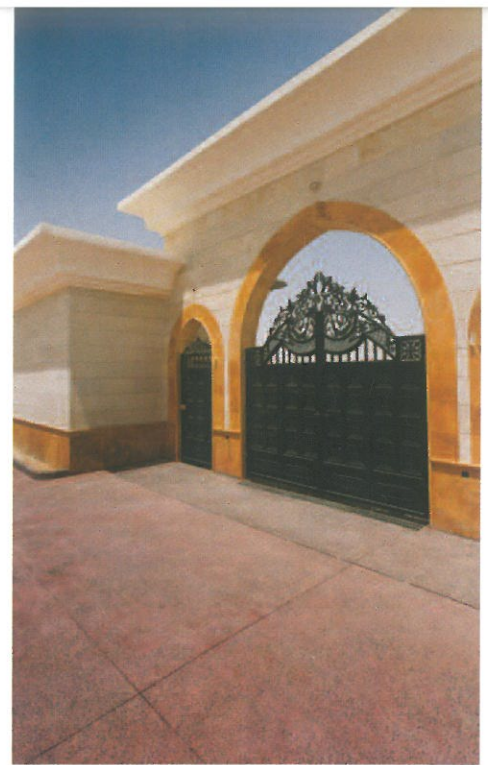
- The surface retarder is applied to the concrete once this has been floated. The retarder should be applied uniformly on the surface.
- There should not be any standing bleed water and the concrete surface must not be allowed to dry.
- It is important to ensure complete coverage; (4 – 5m<sup>2</sup> per liter) excess retarder is not a problem.
- Protect surface from rain, dust storms immediately after applying retarder.

## PRESSURE WASHING

- Pressure washing time after finishing the concrete, will vary depending on weather conditions.
- Use industrial power washer with a minimum of 120 bars at the spray head.
- Keep spray head close to the surface of concrete, washing a small area thoroughly at one time.
- Once the complete area has been done in this way, a final overall wash with the nozzle at a distance from the surface should be given to wash away any final residues.

## SEALING

- Once the concrete has been cured, a sealer should be applied to the surface for improved resistance and protection.
- This process is carried out after the surface has dried with a minimum of one week after placing.
- Readymix Qatar can recommend a suitable sealer depending on the application.



## GENERAL GUIDELINES

Readymix Qatar offers its Artevia™ Application service which is specially designed to meet the needs of customers.

Artevia™ Application is available and undertaken by Readymix Qatar who have a network of certified applicators who will place and finish all products of the Artevia range.

This will allow us to control both material and workmanship to achieve maximum quality.

Wide range of Colours and choice of aggregates available upon request.

Consult the Readymix Qatar Technical Centre for specialized applications & mix designs at [technicalcentre@rmg-readymixqatar.com.qa](mailto:technicalcentre@rmg-readymixqatar.com.qa)

Artevia™ Exposed fully complies with Qatar Construction Specifications.

## Points to remember

Do not in any case add water/additives to the concrete on site. Do not pour concrete if there is a risk of rain, high temperatures and winds. Pressure washing time after finishing the concrete, will vary depending on weather conditions.

Ensure that the jet will make a 45 ° angle with the concrete when washing.

The use of safety goggles, gloves and suitable footwear is a must when placing concrete.



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