

Artevia

THE ART OF CONCRETE



ARTEVIA™

Artevia™ Polish

has a smooth texture like polished marble that is silky to the touch and elegant at first sight

APPLICATIONS

- Museums and Souqs
- Industrial floors
- Hotels and Restaurants
- High-volume traffic areas
- Rail and Bus Stations
- Showrooms
- Retail outlets and Shopping malls
- All internal concrete floors

ADVANTAGES

- Can be tailored to fit a range of colour schemes
- Gives a unique, customized look
- Requires extremely low maintenance costs
- Gives a very long service life
- Abrasion resistant and hard wearing
- An integral through-coloured concrete
- Decorative aggregates with a spectrum of colours available
- Eliminates the need for expensive protective coating (e.g. epoxy)

CHARACTERISTICS

- High abrasion resistance
- Can reduce lifecycle cost of the floor
- Low maintenance solution
- Increases impact resistance and reflectivity
- Durable damage resistance
- Requires no additional covering

Concrete is a composite material and even though every care is taken to keep the material as homogeneous as possible, the colour of different loads may show marginal variations. (This is minimised by blending the first concrete discharged from a truck load with the last concrete from the previous truck).

Placing concrete:

Thorough trowelling is required to seal the surface efficiently. Do not over trowel as this will disturb the aggregates and induce a poor appearance. Do not apply a general curing compound as this may clog the grinding stones. Grinding Artevia™ Polish should be done after the concrete has gained sufficient strength, concrete is polished with either carborundum or diamond stones. The final finish will depend on the consultants or clients requirements.

Sealing:

A sealer is a chemical product that seals and protects the concrete surface by producing a hard and yet flexible clear film. The sealer should be applied to the dry concrete surface using a roller, spray or brush. The sealer protects the surface against water, alkalis, mild acids and petroleum solvents. It also brightens the colours and offers different finishes (Gloss, Matt and Anti-slipping finish).

Curing:

Poor curing of Artevia™ Polish can lead to lighter colours or shade variations in the final surface finish. The concrete surface should be sufficiently cured before commencing the polishing process.

Artevia™ Application:

Artevia™ application is available and undertaken by Readymix Qatar who have a network of certified applicators who will place and finish all products from the Artevia range. This will allow us to control both material and workmanship to achieve maximum quality.

MS DS available on request.

Our Sales and Technical support teams will be pleased to help you with Artevia™ queries at any time.



GENERAL GUIDELINES

The concrete will be delivered in a uniform consistency and no water should be added on site. The concrete needs a variable period of time before starting the polishing process.

A diamond grinding machine with counter rotating polishing heads is applied to the concrete.

Starting with the most abrasive heads, each subsequent grind uses progressively less abrasive diamonds until the desired level of shine is achieved.

Once the concrete has been cured a sealer should be applied to the surface for improved resistance and protection.

Colour chart and choice of aggregates chart are available upon request.

Ensure an appropriate floor thickness according to the application.

Artevia™ Polish fully complies with Qatar Construction Specifications.

Points to Remember

- The concrete should be thoroughly remixed to ensure homogeneity before placing.
 - Always cure and seal the concrete surface using our recommended curing and finishing materials.
 - Ensure a well compacted sub base before start of application.
- The use of safety goggles, gloves and suitable footwear is recommended when placing concrete.



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