

Artevia

THE ART OF CONCRETE



ARTEVIA™

Coloured concrete for pattern imprinting

Artevia™ Print is an incredibly lifelike range of textured pavements, stone and natural effect finishes

APPLICATIONS

- All concrete slabs and pavements
- Drives and paths
- Patios, terraces
- Internal floors

OFFERING

- An integral through colour
- A long lasting and fade resistant inbuilt decorative solution
- Available at selected Readymix Qatar plants
- A wide range of mixes available for different printing applications
- Highly accurate batching to ensure colour consistency

ADVANTAGES

- No risk of de-lamination of colour layer
- Safer and cleaner as there are no powder colours required
- Less time critical – as soon as concrete is firm, it is ready to release and print
- Through-coloured edge when shuttering is removed
- Less labour required
- Micro fibres added to minimise plastic shrinkage cracking
- Durable low-maintenance paving solution

CHARACTERISTICS

- Proprietary mixes are designed at fixed water/ cement ratio
- Includes polypropylene fiber in the mix design
- Reduce cracking due to low surface bleed
- Improve surface durability

INSTALLATION

- Concrete is placed and levelled, then rolled with a roller bug and finished with a magnesium float.
- Placing and levelling should be done within one hour of delivery.
- When ready to print, apply the release agent.
- The process is labour intensive and time consuming and consideration should be given to setting time.
- In hot and dry conditions Readymix Qatar can advise on a suitable curing agent which will reduce the chances of shrinkage cracks when such conditions prevail.

For **PATTERN PRINTING** into the concrete, the tools required are polyurethane mats and there are two types:

- Flexible: used in areas where full mats can be used
- Super-flexible: for part-patterns, corners, etc.

Lay the mats face down on the fresh concrete and fit together as appropriate for the design. The mats should then be pressed evenly onto the surface for 30-60 seconds.

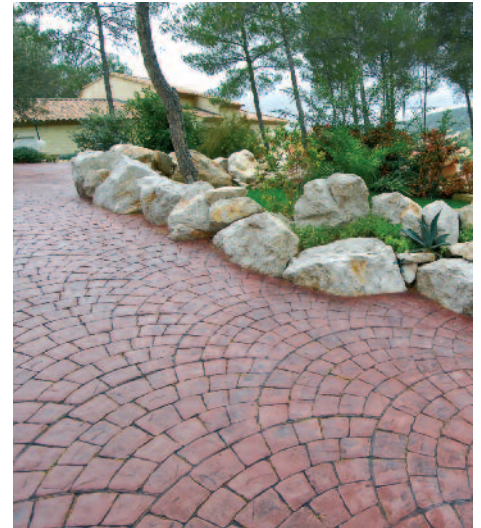
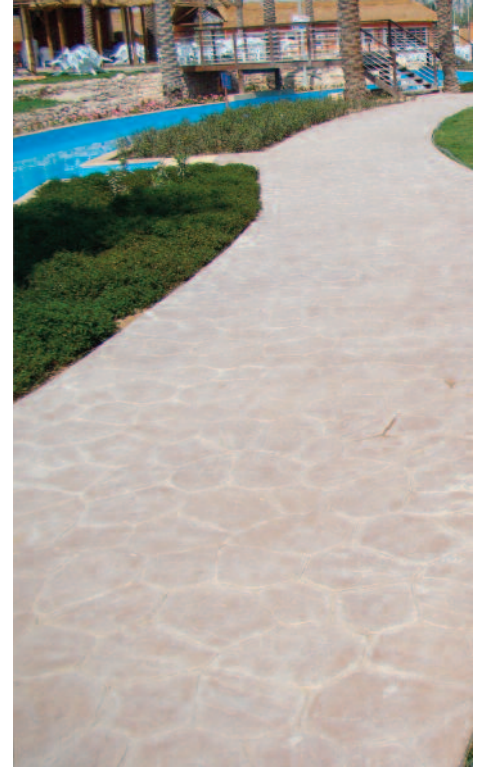
Depending on the firmness of the concrete, a pounder may have to be used. The mats are then removed from the surface leaving the desired pattern.

CLEANING & SEALING is essential once the concrete has been placed

- The most effective way is to leave the concrete covered with release powder for at least 18-24 hours or apply another coat after printing to help seal in the moisture.
- Once the concrete is sufficiently hard, the surface should be washed and cleaned to remove the release agent residue and then jet washed ready to receive the sealer.
- Care should be taken not to “burn” the surface with the jet wash on immature concrete.
- Once the concrete has been cured, a sealer should be applied to the surface for improved resistance and protection.

Contact Readymix Qatar Technical Centre for specialized applications and mix designs at technicalcentre@rmg-readymixqatar.com.qa

Artevia™ Print fully complies with Qatar Construction Specifications.



GENERAL GUIDELINES

Artevia™ mixes can be specified for use with almost any concrete and are suitable for most applications including domestic, structural and precast. These are all designed at optimum fines content, allowing for a superior blend of coloured concrete.

ARTEVIA™ APPLICATION :
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 from the Artevia range. This allows us to control both material and workmanship to achieve maximum quality.

Colour and pattern charts are available upon request.

MS DS available on request.

Points to remember

Artevia™ Print will behave in exactly the same way as conventional concrete. Ensure concrete is ordered at the correct slump, this is normally 120-150mm. Avoid water addition on site as this will have an impact on colour. Do not apply an additional curing compound; the release agent acts as a curing compound. The use of safety goggles, gloves & suitable footwear is mandatory when placing concrete.



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