

Hydromedia™

Key benefits

Efficient stormwater management

- Rapid water removal, water-free surfaces.
- Safer roads and parking areas; no standing water, no ice during cold weather.
- Reduced risk of flash flooding; high permeability and drainage capacity.

Environmental management

- Minimizes urban impact on natural water cycle.
- Provides natural groundwater recharge in urban environments.
- Reduced pollution in stormwater (filter for particulate).
- More efficient use of land (reduced footprint).

Reduced costs

- Reduced stormwater management costs; no need for piping, catchment basins and infiltration galleries.
- Reduced long-term maintenance costs; high-strength surface, lack of raveling.

Ease of placement

- Greater fluidity means better flow into formwork; easier to place.
- Easier to predict volumes from production to paving; more consistency.

Aesthetic appeal

- Smoother, cleaner look than other permeable pavements.
- Finished in a wide range of shades; red, blue, yellow etc.



Customer driven innovation

Each second Lafarge delivers concrete to one of countless construction projects around the world. Every day 1,200 technical sales representatives from Lafarge interact with customers at over 6,000 different sites. Innovation is our way of addressing the needs we encounter through these interactions. Our research and development teams are dedicated to innovation, exceeding even the greatest demands of our clients. Our new concretes attain new levels of technical performance and anticipate changing industry requirements. Each new product is designed to be more effective in the construction process and help our clients achieve greater success.

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CONCRETE

Hydromedia

FASTER DRAINING THROUGH CONCRETE

Managing Stormwater efficiently



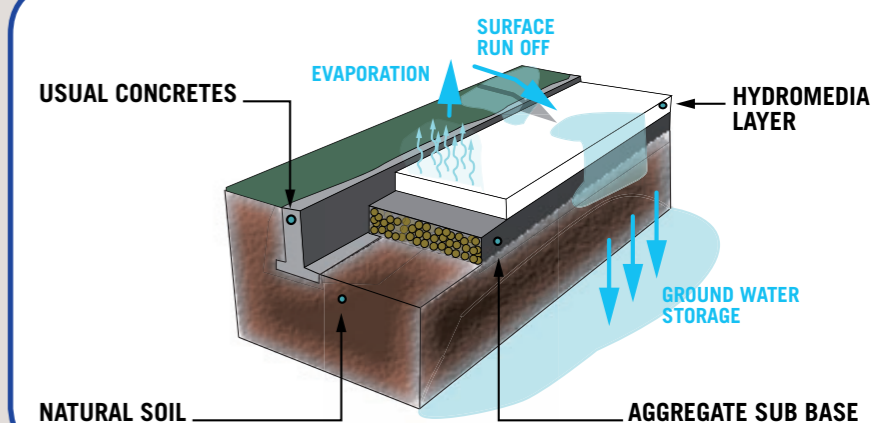
LAFARGE
bringing materials to *life*™

Hydromedia™ Sustainable urban drainage

Hydromedia™ is a **new fast draining concrete pavement** solution that rapidly directs stormwater off streets, parking surfaces, driveways and walkways. **A cutting-edge development**, Hydromedia™ also minimizes the cost and long-term maintenance for local authorities and developers of stormwater management.

Its advanced, engineered design offers not only **best-in-class drainage** and a surface resilient to wear but also **an industry-leading aesthetic appeal** and an increased ease of placement by contractors. The key to this improved performance is an innovative mix design developed by Lafarge's world-class R&D labs. Outperforming the benchmarks set by standard permeable pavements, Hydromedia™ is a **sustainable solution** that combines the durability of concrete with advanced drainage technology.

Lafarge Innovation



The unique mix design technology behind Hydromedia has created a **no-fines concrete** that is particularly fluid in application, but highly robust and resilient after placement and curing.

Together, it makes for a much simpler application, improving not only the workability of the product but also its consistency, and also provides a much stronger surface. The key to this is Lafarge's breakthrough paste technology, where the rheological properties are a carefully calculated balance between fluidity and viscosity, offering short-term flexibility and long-term strength.

The paste is only part of the Hydromedia equation. **The aggregate matrix is designed to minimize compaction and provide a predictable and homogeneous permeability in the final hardened product.** The choice of materials, combined with the specially-created mix design tool provides that final properties of the concrete can be engineered prior to placement allowing for a predictable and consistent designed solution to the management of stormwater.

