

Hydrain

Fast draining engineered concrete



Ronez Hydrain no fines concrete is an ideal solution for surface and stormwater management. A fast draining concrete pavement solution that rapidly directs stormwater off streets, parking surfaces, driveways and walkways. Minimises costs and long-term maintenance for local authorities to local Government Departments and developers of stormwater management.

Designed with a sub-base to contain typically 15 - 35% voids, water flows freely through Ronez Hydrain at rates in excess of between 150 litres - 1000 litres per minute per square metre.

Applications

- Residential roads
- Car parks and parking areas
- Leisure (e.g. tennis courts, swimming pool decks, cycleways)
- Driveways and alleyways
- Pavement edge drains and gutters
- Can be used as a structural underlayer



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Key benefits

- Stormwater management - high permeability and drainage capacity
- Environmental management - minimises urban impact on natural water cycle
- Reduces costs as part of a SuDS (Sustainable Drainage System)
- Available with Ronez Discovery to offer decorative and functional hard landscaping opportunities
- Mitigates surface pollutants
- No standing water, lessens risk of hydroplaning

Characteristics

- Compressive strength ~2-15N/mm²
- Voidage from 15-35% depending on type and placing technique
- Unit weight is typically 70% of conventional concrete
- Workable up to 90 minutes



Ronez Limited

Les Vardes Quarry, St Sampson
Guernsey GY2 4TF
Tel: +44 (0)1481 256426

sales@ronez.com
www.ronez.com

Ronez Limited

Momains Yard, Vale
Guernsey GY2 5TZ
Sales: +44 (0)1481 201300
Technical: +44 (0)1481 201312

Ronez Limited

La Route du Nord, St John
Jersey JE3 4AR
Tel: +44 (0)1534 867212
Technical: +44 (0)1534 867214



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