



QC10 Part No. RP06400/20

Fast Set Rapid Strength Concrete

Applications

Ultracrete QC10 is ideal for haunchings, commercial sign/post installation and ironwork backfilling.

Technical

Ultracrete QC10 is supplied in 25kg bags or plastic buckets and only requires the addition of water to form a high strength concrete and can be used from 30mm to 250mm in one pass.

Preparation

All surfaces should be free from oil, grease, dust or any other visible contaminants. Remove all loose particles and work on a sound substrate. (Pre-soak the area with clean water prior to application to aid bond. Remove ponded water before applying the product).

Mixing

Ultracrete QC10 can be mixed mechanically or by hand. If by hand, ensure that the mixing is vigorous. Mix the inner bag containing the cement with the sand/aggregate. Add approximately 1 litre of water and mix thoroughly. Then, if required, add sufficient additional water until the required consistency is achieved to a maximum of 2 litres. Note: It is essential that this product not be over-watered. The addition of excessive water will result in slower strength gain, reduced final compressive strength and the possibility of shrinkage cracking. Sand/aggregate contains moisture and the volume of water required will vary depending on the moisture content of the aggregate. Mix only enough material to apply within 4 minutes. Never remix or add water.

Placing

(In conjunction with the BBA/HAPAS Approved Ultracrete Ironwork Reinstatement System)

Ultracrete QC10 should be applied with a float 40mm below the required surface, then compacted to ensure no voids are evident. The final surface should be rough floated to achieve a level surface. Once the material has reached an initial set all vertical edges of the reinstatement, including the ironwork, should be sprayed with Ultracrete SCJ. This will prevent the ingress of water into the reinstatement. Ensure all vertical substrates are fully covered.

(In conjunction with thick section concrete repairs, haunching reinstatements, post, sign, fences and barrier erection)

Apply material over pre-soaked area within 4 minutes of mixing. Firm well into position by tamping or using a float. Clean any mixing equipment with water immediately after use.

Cleaning

Ultracrete QC10 should be removed from tools and equipment with clean water immediately after use. Cured material can also be removed mechanically.

Health & Safety

Operatives should wear protective clothing and work in well-ventilated conditions. This product contains cement which, when mixed with water is alkaline and may in some cases cause skin irritation. If product enters the eyes, wash thoroughly with water and seek medical advice. In common with all powder products, the material should be mixed carefully, avoiding the raising of dust.



Features & Benefits

- Part of the Ultracrete BBA/HAPAS Approved Ironwork Reinstatement System
- Can accommodate depths from 30-250mm
- Rapid strength gain
- Shrinkage compensated
- Requires no independent curing agent
- Versatile

"Over 3 decades of proven performance"



Related Products

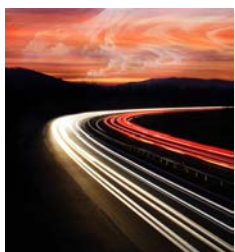
Ultracrete Envirobed HA104[®] High Performance Bedding Mortar

Ultracrete PY4 Polyester Resin Fast Setting Bedding Mortar

Ultracrete M60 Rapid Strength Bedding Mortar

Ultracrete SCJ Spray Applied Bitumen Cold Joint Sealer

Ultracrete IRR Cold Lay Macadam



QC10

Fast Set Rapid Strength Concrete

Physical Properties

Test Age	Compressive Strength* (N/mm ²)
1 hour	12.0
2 hours	20.0
24 hours	30.0
7 days	40.0
28 days	50.0
Workability	5-10 minutes *
Setting time	15 minutes *

*Depending on temperatures – test carried out at 20°C. Cool temperatures retard, warm temperatures accelerate product performance.

Product Details

Unit/Packaging	25kg plastic bags or containers delivered on shrink-wrapped pallets
Storage	Store in closed original packaging at temperatures between 5°C and 30°C. Avoid frost
Shelf Life	Shelf life from date of manufacture in correct conditions for sealed packaging is 6 months. Note: The use of this product after the end of the declared storage period may increase the risk of an allergic reaction. High temperatures and high humidity will lead to a reduced shelf life
Density	2340kg/m ³
Coverage	Approximately, 4-6 bags per 1 x 400mm x 400mm standard Ironwork Cover and Frame, dependant on depth and width of the picture frame. Also, 1m ² @ 12mm
Yield	12 litres (approximately)
Colour	Grey

Contact Us

RIVVAL Ltd, Drumconrath Road, Carrickasedge, Carrickmacross, Co. Monaghan

Tel: 00353 (0) 42 9690882 Fax: 00353 (0) 42 9690883

Email: sales@rivval.com or visit www.rivval.com

Ultracrete products are guaranteed against defective materials and manufacture, and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept any liability arising from the application or use of our products because we have no direct or continuous control over where and how our products are used. All products are sold subject to our conditions of sale, copies of which may be obtained on request.

