

CEMROK /FC

DESCRIPTION

Cemrok/FC is a single component polymer modified levelling material specially formulated to re-profile concrete in thin applications without cracking.

USES

Cemrok/FC is designed for application to concrete surfaces which are to receive a compatible protective coating. Improves the aesthetic appearance of concrete surfaces, fills honeycombing and blow holes and levels up concrete surfaces.

SPECIAL PROPERTIES

- Single component – easy to use.
- High polymer content – reduces the risk of cracking.
- High bond strength.
- Cost effective – easily overcoated preventing excessive consumption of coatings.
- Fair faced finish.

TYPICAL PERFORMANCE

Compressive Strength N/mm ²	
1 day	5.0
7 days	8.0
28 days	13.0
Flexural Strength N/mm ²	
1 day	1.0
7 days	2.5
28 days	4.0
Coefficient Thermal Expansion 13.6 x 10 ⁻⁶ °C	
WSR:	0.18
Fresh Wet Density:	1875 kg/m ³
Initial Set:	2 hours
Final Set:	3 hours
Application thickness:	1 – 6mm
Yield:	15.75 litres / bag
Coverage:	15.75m ² at 1mm thick

MIXING

Cemrok/FC should be mixed using water which complies with BS EN 1008 (as for concrete).

Cemrok/FC should be mixed in a suitable container using either an electric (1Kw) or pneumatic power tool. Larger amounts MUST be mixed in a FORCED ACTION paddle mixer.

25kg of /FC should be added carefully to 4.5 litres of water, progressively mixing until a good render consistency is achieved.

Once mixed the material must not be re-worked.

Cementitious Systems

PLACING

All areas to be treated should be clean and sound and free from dust, laitence or any other deleterious material which would interfere with the bonding of the product to the concrete.

Wet grit blasting is the ideal preparation however high pressure water jetting or other suitable mechanical means can be used.

The prepared substrate should be thoroughly soaked with clean water and uniformly saturated with no free standing water.

Priming is not normally required with this product unless the substrate is highly porous and there is excessive suction. If priming is deemed necessary then follow the procedure on the Cemrok Concrete Primer A technical data sheet.

Cemrok/FC should be applied in layers not exceeding 6mm in thickness using a suitable steel or wooden float taking care to avoid air entrapment.

For repairs which require multi layer applications always make sure that the previous layers are well keyed and fully stable but not fully set before applying the next layer.

Final finishing to a high standard can be achieved using a steel or wooden float.

Cemrok/FC should be cured in accordance with good concreting practice. Wax-free curing membranes can be used.

HEALTH & SAFETY

For health and safety data, see sheet reference 40/ A.

PACKAGING AND STORAGE

Cemrok/FC is available in nominal 25kg sacks, palletised and shrink wrapped.

Cemrok/FC may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Cemrok/FC** should be stored in cool dry areas clear of the ground sheeted or under cover and stacked not more than two pallets high.

The product should be used on a first in – first out basis.

Shelf life is minimum 3 months but could be in excess of 6 months subject to temperature and humidity.

QUALITY CONTROL

Factory blended, tested and packaged in the UK for Adomast Ltd to quality control procedure in accordance with BS EN ISO 9001 Series.