

NEW CRETE

Ultra rapid curing, permanent concrete repair



New Crete is a unique product that will fix damaged roads, runways, columns, beams and roofs in under an hour

What is New Crete?

New Crete is a unique product that will fix damaged roads, runways, columns, beams, roofs and more, in under an hour. New Crete is an indispensable product due to its easy application, high strength and flexibility. New Crete does not slump, so it can be applied to overhead and vertical surfaces without the need for shuttering.

How does New Crete work?

New Crete is a two component product, supplied as a pre-mixed, Portland cement based, powder and a co-polymer gauging liquid. Once applied, New Crete will harden in approximately 10 minutes.

Key features and benefits of New Crete

- Easy to use formulation – no mess, no fuss
- Convenient – supplied in 10kg tubs
- Ultra rapid curing repair – repair area usable in under an hour
- Rapid strength gain - repair is permanent and hardwearing
- Use on vertical and overhead surfaces – no need for shuttering
- New Crete won't shrink or slump
- Use for spalling and damage to concrete or granolithic surfaces of floors
- Will take colouring agents and can be feather edged
- Can be used in small amounts
- Non-toxic – can be used in confined spaces
- Chloride free so can be safely used when in coming into contact with reinforcing steel
- Resistant to oil, grease and freezing and thawing cycles

Instructions for Use

Do not add excessive water for mixing. Variations in water content for particular applications may alter mortar consistency and compressive strength achieved.

Preparation

Laitance and all loose material including dust, oil and grease should be removed in order to produce a sound substrate. The work area should be pre-wetted taking care to remove any standing water before placing the mortar. The repair area should be primed with a small portion of the gauging liquid.

Mixing

For mixing small quantities of mixed material, pour a portion of the gauging liquid into a suitable mixing vessel and slowly add the powder whilst continuously mixing, using a suitable hand tool. Adjust the final consistency with a small quantity of water and continue mixing until mortar is of even colour and consistency throughout.

For full pack mixing use all remaining gauging liquid and slowly add the powder, whilst mixing. A small quantity of water may be added to adjust the mortar workability. Mix using either a slow speed drill with a Mortar Stirrer. Continue mixing until the mortar produced is of an even colour.

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Placing

Apply the mixed material by trowel or gloved hand firmly to the repair area, ensuring full contact. Build up to the required thickness. Float or smooth off the repaired surface.

Curing

No special curing is required at temperatures between 5 and 35°C

During Placing

The substrate must be clean and surface dry.

Protect freshly laid material from strong direct sunlight, rain, frost or snow.

Clean all mixing equipment and tools before setting commences.

Health and Safety

Please ensure that you have read the SDS for New Crete in its entirety and wear the appropriate PPE when preparing, mixing and applying New Crete.

Technical Information

New Crete has been tested in accordance with appropriate parts of EN 12390.

Working time	Approx. 20 minutes @ 20°C
Application range	10 – 100 mm
Application temperature range	+5°C to 35°C
Time to foot traffic	1 hour, with compressive strength of 10N/mm ²
Time to vehicle traffic	4 hours, with compressive strength of 20N/mm ²
Particle size	0 – 2mm
Set density	2100 – 2200 kg/m ³
Shelf Life	6 months

Mechanical strength profile (+20oC / 90% RH)

Age	1 hour	4 hours ²	28 days ²
Compressive	10 N/mm ²	20 N/mm ²	50 N/mm ²

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