

RAPID SET

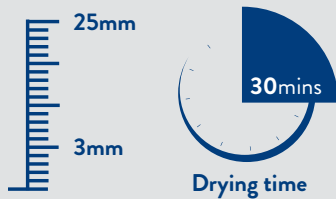
REPAIR MORTAR



TRADE QUALITY YOU CAN TRUST

SETCRETE™ RAPID SET REPAIR MORTAR

is an economical and easy to use mortar for repairing damaged or worn concrete. It is suitable for use on both internal and external applications and can be applied to horizontal and vertical concrete surfaces.



- READY TO USE - JUST ADD WATER
- INTERIOR AND EXTERIOR USE
- MIXED TO FIXED FROM 30 MINUTES
- SUITABLE FOR VERTICAL AND HORIZONTAL APPLICATION



SETCRETE™ RAPID SET REPAIR MORTAR is an economical and easy to use mortar for repairing a wide range of concrete surfaces.

It is suitable for use on both internal and external applications and can be applied to horizontal and vertical concrete surfaces.

SETCRETE™ RAPID SET REPAIR MORTAR has been specifically designed for improved durability and freeze-thaw resistance. When mixed it forms a thixotropic mortar that can be easily applied in thicknesses from 3mm - 25mm horizontally in a single application and up to 10mm for vertical applications.

SETCRETE™ RAPID SET REPAIR MORTAR can be used for the non-structural repair of lower strength concrete elements such as:

- floor screeds
- concrete paving slabs
- balcony edges
- beams and lintels
- stair treads and risers
- producing gradients for ramps
- concrete soffits, architectural concrete

Technical Information

EN 1504-3 Designation	Class R2
Working Time @20°C	10 - 15 minutes
Walk on hard Time @20°C	30 minutes
Ready to cover at 5mm @20°C	from 24 hours
Compressive Strength N/mm ² (EN 12190)	1 Day >10.0 7 Days >15.0 28 Days >20.0
Flexural Strength N/mm ² (EN 196-1)	1 Day >2.0 7 Days >3.0 28 Days >5.0
Application Thickness (horizontal):	3 - 25mm
Application Thickness (vertical):	3 - 10mm

Standards

When used as a non-structural repair PCC mortar for the repair principle 3 (CR), repair method 3.1, 3.2, SETCRETE™ RAPID SET REPAIR MORTAR is in conformity with the relevant type requirements of EN 1504-3:2005.


Coverage

5kg of SETCRETE™ RAPID SET REPAIR MORTAR mixed with 0.75 litres of clean water will cover approximately 0.25m² at a thickness of 10mm.

Packaging

5kg pouch



	
<p>F. Ball and Co. Ltd. 18 FBI 14-CPR-30-08-2018</p>	
<p>EN 1504-3:2005 SETCRETE™ RAPID SET REPAIR MORTAR Repair mortar (CC) for non-structural repair of concrete structures with low performance requirements in building and civil engineering works; Principle 3 (CR), Method 3.1</p>	
Compressive strength:	Class R2 ≥ 15 MPa
Chloride ion content:	$\leq 0,05\%$
Adhesive bond:	$\geq 0,8$ MPa
Restrained shrinkage/expansion:	$\geq 0,8$ MPa
Capillary absorption:	$\leq 0,5$ kg/m ² .h ^{0.5}
Reaction to fire:	A1
Dangerous substances:	comply with 5.4

Preparation

Concrete must be fully cured, clean and sound to ensure good adhesion. All traces of dust, grease, oil, etc. must be removed. Prepare the area by carefully removing any loose, damaged or broken material back to a solid and sound substrate. Aggregate should be clearly visible on the surface of the concrete after surface preparation. The temperature of the floor must be maintained above 5°C throughout the application and drying of the mortar. If used in internal floor repairs, where present, underfloor heating must be off for at least 48 hours before, during and after application.

Priming

Dampen the repair area with water ensuring no excess water remains before applying SETCRETE™ RAPID SET REPAIR MORTAR.

Mixing

Mix only a quantity that can be applied before the product thickens (approximately 5 - 10 minutes at 20°C. If a mix should thicken before it has all been applied it should be discarded, extra water should not be added. Add the dry powder to clean water and mix until an even consistency is obtained. As a guide use the ratio of 0.15 litres of water to 1kg of mortar (0.75 litres of clean water per 5kg). Mixing is best achieved by the use of a power whisk fitted in an electric drill. Small quantities can be mixed by hand with a suitable stirring stick.

Application

Trowel the mix onto the subfloor and spread to the required thickness ensuring good compaction to the existing profile at time of placing. If required the finish of the mortar can be improved by the use of a wet smoothing trowel or damp sponge before the mortar has fully set, typically 10 to 15 minutes at 20°C. When being applied in external applications, protect the repair area from rain, wind and direct sunshine whilst curing for at least 7 days for optimum performance.

Setting

The initial set time of the repair compound is approximately 30 minutes at 20°C and can accept light foot traffic after this time. Lower temperatures will extend this time.

Tools

Smoothing trowel, mixing bucket, electric drill and power whisk.

Cleaning

Tools should be washed with water before the material cures.

Storage and Shelf Life

This product must be stored under cover in unopened containers clear of the ground in cool dry conditions, protected from frost and excessive draught. 12 months from date of manufacture.

Health and Safety

This product is classified. Obtain the relevant Safety Data Sheet and follow the advice given.

These can be found at www.setcrete.co.uk alternatively they can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

For further information or technical assistance about SETCRETE™ products and to confirm this data sheet is current, please contact Technical Service Department.