RonaFloor Kerb and Step Repair

Ultra-rapid strength gain kerb and step repair mortar

FEATURES

- ultra-rapid strength gain
- traffic within 1-2 hours of mixing
- low temperature working down to -10°C
- can be installed from 6mm
- prepacked for ease of use and site control
- high strengths within hours
- economical and durable

Description

RonaFloor Kerb and Step Repair is a pre packed polymer modified mortar designed for rapid strength gain and low temperature use. Within one hour of mixing (depending on temperature) the material will have gained sufficient strength to take impact from foot and vehicle traffic. RonaFloor Kerb and Step Repair can be placed as thin as 6mm.

The speed of RonaFloor Kerb and Step Repair makes it ideal for use on roads, motorways, slipways and ramps, tidal areas, airports and stations, in factories, warehouses and goods depots and in all other areas where speed and rapid strength gain is of paramount importance. After just 1-2 hours of mixing, a kerb or step repaired with RonaFloor Kerb and Step Repair can be subjected to foot and vehicle traffic. As well as achieving rapid strength, RonaFloor Kerb and Step Repair also works at low temperatures when conventional mortars cannot be used.

Performance Data

Minimum / Maximum thickness	6mm / 50mm
Traffic	medium duty
Water addition per 5kg pack	0.70—0.80 litres

Compressive strength

1 hour	12N/mm²
2 hours	15N/mm²
24 hours	28N/mm²
28 days	53N/mm²

Strengths: Results are in N/mm^2; 100mm cubes laboratory tested at 20°C. Site mixed cubes will produce lower strengths.

Estimating Guide

Pack Size	**5kg**
Pack Yield	**2.1 litres**
Coverage per Pack	**0.35m² @ 6mm**
Packs required per m³	**476.2 packs**

RonaFloor Kerb and Step Repair

Ultra-rapid strength gain kerb and step repair mortar

Working Time and Mixing

RonaFloor Kerb and Step Repair can be mixed using a drill with suitable paddle attachment, in a forced action mixer, or by hand. The working time is approximately 10-15 minutes, dependent on material and ambient temperature and mixing time. It must be mixed close to the area of application so that it can be placed and finished before initial set. Excessive machine mixing should be avoided as this will accelerate the set and generate a greater exotherm.

Place the powders and sands in to the mixer or mixing container, then add the specified quantity of clean, potable water and mix until a homogeneous mortar of suitable working consistency is produced. Mixing time should not be more than 2-3 minutes.

Working Temperatures

RonaFloor Kerb and Step Repair can be used in most weather conditions and in a wide temperature range, from -10°C to 25°C and above. At high ambient temperature the working time of the mix will be considerably reduced; it will be increased at lower temperatures. Care must be taken when using RonaFloor Kerb and Step Repair in extreme temperatures to ensure that the water used for damping, and the primer (if using), does not freeze or dry/evaporate on contact with the substrate. In very low temperatures for additional speed warm water may be used for mixing.

Instructions for Use

1. Prepare repair area by mechanical abrasion to remove loose, unsound and friable material
2. Provide a vertical saw cut around the periphery of the area
4. Remove oil and grease and other contamination which may impair adhesion. Vacuum clean to remove dust and debris.
5. Damp the surface with clean water
6. Soak very porous surfaces for 24 hours
7. Remove all standing and surplus water leaving the surface damp
8. Mix the RonaFloor Kerb and Step Repair, close to the area of application, by dry mixing the powders and sands adding water, see label, to provide the required consistency
9. Apply the mixed RonaFloor Kerb and Step Repair on to the damp surface, compact and close the surface with a float or trowel.
10. Where the total repair thickness exceeds 50mm lay in more than one layer, ensuring each is not less than 6mm. If the previous layer begins to firm up before the next is placed, scratch the surface and damp with clean water between layers.
11. Protect the surface until hard enough to traffic (typically 1 hour at 20°C)

Substrate Testing

It is important when carrying out kerb repairs with RonaFloor Kerb and Step Repair that the substrate is suitably prepared with aggregate exposed and that the substrate is sufficiently strong to receive a high strength repair. The recommendations given in BS8204 Part 3 1993 refer to the testing of substrates before applying mortars and fine concretes and these recommendations can be followed for repairs in strategic locations.

Shelf Life and Storage

RonaFloor Kerb and Step Repair should be stored unopened between 5°C and 25°C in dry warehouse conditions and out of direct sunlight. In these conditions shelf life is approximately 9 months.

RonaFloor Kerb and Step Repair

Ultra-rapid strength gain kerb and step repair mortar

Health and Safety

Refer to Safety Data Sheet.

Site Attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

Ronacrete

Ronac House, Flex Meadow, Harlow, Essex CM19 5TD, U.K.
Tel: +44 (0)1279 638700 www.ronacrete.co.uk technical@ronacrete.co.uk