

BOND PLUS MORTAR



Fully compatible with Parex Fine Bedding Concrete, Granatech and SettPoint

Description

Bond Plus Mortar is a Portland cement based, polymer-enriched adhesive for the priming and bonding of paving units. The highly specialised mix design includes powerful plasticising agents which, combined with the polymers, produce a slurry or scrub-coat consistency that's easily applied by brush or trowel.

Bond Plus Mortar can be used to improve the adhesion of paving units to the underlying bedding mortar giving a strong permanent bond.

The pre-packaged product is ready for on site mixing, only requiring a measured water addition. The resulting mixes have good freeze-thaw stability and are resistant to oil and many chemical environments. Placement thickness may be in the nominal range 1mm to 2mm.

Uses include: Bonding agent for laying all sizes of paving units.

Typical Bond Plus Mortar Properties @ 20°C

Bond Strength	2N/mm ² + depending on substrate
Density	1800kg/m ³
Usable Life	45 minutes

Specification Outline

Bonding of the paving units shall be carried out using Bond Plus Mortar as manufactured by Parex Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Accreditations

Parex Ltd has an integrated management system which is externally accredited to ISO9001:2008, ISO14001:2004 and OHSAS18001:2007.

This product also conforms to BES 6001.

Instructions for Use

Preparation

Contact surfaces must be sound, clean and provide a good mechanical key. Remove any loose material, laitance, plaster, paint and oily deposits. Small paving units should be dipped in water prior to priming to remove loose materials. Larger sized paving units can be brush applied.

Priming

Prepare a priming scrub coat of Bond Plus Mortar using 3.5-4.0 litres of water per 20kg bag mix.

Mix the priming scrub coat in a suitable mixing vessel using a slow speed drill and mortar stirrer. Do not mix more than can be applied within the usable time, 45 minutes at 20°C.

Prime the prepared substrate and the under side of the paving units with the Bond Plus Mortar using a brush or trowel so the total applied thickness is 1-2mm.



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Instructions for Use

Placing of Parex Fine Bedding Concrete and Paving

Apply the mixed FBC to the primed substrate before the priming coat has dried. Compact the FBC to ensure good contact with the underlying primed surface. Prime the back of the paving units being used with Bond Plus Mortar. Place the units onto the wet FBC and adjust the levels as required. Lay the paving unit into the FBC immediately after priming, tapping it firmly to ensure the underlying FBC is fully compacted.

Application thickness of the FBC should be in the range of 30mm to 75mm. In situations where thick layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent Bond Plus Mortar and FBC layers may be applied as soon as the initial layer is firm enough not to distort under the new work. Bond Plus Mortar may be applied at temperatures between 5°C and 35°C on a rising thermometer. For application at temperatures outside this range, contact the Technical Service Department.

Curing

In temperate ambient conditions, no special curing is required. In severe drying conditions of high temperatures and high wind, the paved surface should be sprayed with water to assist with temperature control of the paving surface and provide water for additional curing of the FBC.

Precautions

Health and Safety

Bond Plus Mortar is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data are given in the Product Safety Data Sheet.

Fire

Bond Plus Mortar is non-flammable

Yield

Bond Plus Mortar is packed in 20kg bags.

The nominal yield obtained from these units is 13.25 litres of mixed material.

Coverage

One bag mixed with the recommended water content will cover between 7m² at 2mm thick and 14m² at 1mm.

Storage and Shelf Life

Bond Plus Mortar will have a shelf life of 6 months when kept in dry conditions at a temperature of 5°C to 35°C. Storage at higher temperatures or high humidity may reduce the shelf life.

Packaging and Ordering

Bond Plus Mortar is supplied in 20kg bags.

Product Code ELM 520

For further information and sales, please contact your local Parex office as listed below.

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control