

PRODUCT DATA SHEET

Parex Bond Plus Mortar

Cementitious Primer and Bonding Adhesive

DESCRIPTION

Parex Bond Plus Mortar is a one-part, cementitious, 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 is easily applied by brush or trowel.

When used with Parex Fine Bedding Concrete (FBC), Parex Bond Plus Mortar promotes adhesion and complies with, or exceeds, the adhesive bond strength requirements of the relevant parts of BS 7533.

USES

Bonding agent for laying all sizes of paving units.

PRODUCT INFORMATION

Composition	Cementitious
Packaging	20 kg bags
Shelf life	6 Months
Storage conditions	Store properly in dry conditions in undamaged and unopened original sealed packaging
Appearance and colour	Grey powder
Density	1800 kg/m ³

TECHNICAL INFORMATION

Tensile adhesion strength	>2N/mm ² (depending on substrate)
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CHARACTERISTICS / ADVANTAGES

- Single-component.
- Ready to use with the addition of water.
- Good freeze-thaw stability.
- Resistant to oil and many chemical environments.
- Excellent adhesion promotion.
- Easy to apply.
- Designed for use with Parex Fine Bedding Concrete (FBC).

APPROVALS / CERTIFICATES

Complies with the relevant parts of, and ensures compliance with, BS 7533.

SYSTEM INFORMATION

System structure	Bedding Mortar Parex Fine Bedding Concrete (FBC) Bond Coat Parex Bond Plus Mortar Pointing / Jointing Mortar Parex Granatech Parex Granatech 40 Fine Parex SettPoint
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APPLICATION INFORMATION

Mixing ratio	3.5-4.0 litres of water per 20kg bag
Consumption	~0.7kg/m ² /mm
Yield	~13.25 litres of mixed material, per 20 kg bag
Layer thickness	1mm min. / 2mm max.
Ambient air temperature	+5°C min. / +35°C max.
Substrate temperature	+5°C min. / +35°C max.
Pot Life	~45 minutes at 20°C

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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.

MIXING

Pour the required quantity of clean water in to a suitable, clean mixing vessel. Slowly add the Parex Bond Plus Mortar whilst continuously mixing, using a slow speed, high torque drill and mortar stirrer. Continuously mix until a uniform mix is achieved, approximately 2 minutes.

APPLICATION

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

Placing of Parex Fine Bedding Concrete and Paving

Apply the mixed Parex Fine Bedding Concrete (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 Parex Bond Plus Mortar. Place the units onto the wet FBC and adjust the levels as required. Lay the paving unit onto 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 Parex 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. Parex Bond Plus Mortar may be applied at temperatures between +5°C (on a rising thermometer) and +35°C.

CURING TREATMENT

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 Parex Fine Bedding Concrete (FBC).

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water

immediately after use. Hardened/cured material can only be mechanically removed.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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