

## PRODUCT DATA SHEET

# Parex Bond Plus Mortar

## Cementitious Primer and Bonding Adhesive

### PRODUCT DESCRIPTION

Parex Bond Plus Mortar is a one part, cementitious, polymerenriched 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.

When used with Parex FBC bedding mortar, Parex Bond Plus Mortar promotes adhesion and complies with or exceeds the adhesion bond strength requirements of the relevant Parts of BS 7533.

### USES

Bonding agent for laying all sizes of paving units.

### PRODUCT INFORMATION

<b>Chemical Base</b>	Cementitious
<b>Packaging</b>	20 kg bags
<b>Shelf Life</b>	6 Months
<b>Storage Conditions</b>	Store properly in dry conditions in undamaged and unopened original sealed packaging
<b>Appearance / Colour</b>	Grey powder
<b>Density</b>	1800 kg/m <sup>3</sup>

### CHARACTERISTICS / ADVANTAGES

- Single component
- Ready to use with the addition of water
- Good freeze thaw stability
- Resistant to oil and many chemical environments

### APPROVALS / STANDARDS

Complies with the relevant parts of BS 7533

## TECHNICAL INFORMATION

Tensile adhesion strength >2N/mm<sup>2</sup> (Depending on substrate)

## SYSTEM INFORMATION

System Structure	<b>Bedding mortar</b>
	Parex Fine bedding Concrete (FBC)
	<b>Bond Coat</b>
	Parex Bond Plus Mortar
	<b>Pointing mortar</b>
	Parex Granatech
	Parex Granatech 40 fine Parex Settpoint

## APPLICATION INFORMATION

Mixing Ratio	3.5-4.0 litres of water per 20kg bag
Consumption	~0.7kg/m <sup>2</sup> /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 @ 20°C

## VALUE BASE

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

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## 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 mins.

### APPLICATION

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.

**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 Parex fine bedding concrete (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 Parex fine bedding concrete (FBC) and adjust the levels as required. Lay the paving unit into the Parex fine bedding concrete (FBC) immediately after priming, tapping it firmly to ensure the underlying Parex fine bedding concrete (FBC) is fully compacted.

Application thickness of the Parex fine bedding concrete (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 Parex fine bedding concrete (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 and 35°C on a rising thermo-

meter.

## 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 FBC.

## CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.

### SIKA IRELAND LIMITED

Ballymun Industrial Estate  
Ballymun  
Dublin 11, Ireland  
Tel: +353 1 862 0709  
Web: [www.sika.ie](http://www.sika.ie)  
Twitter: @Sikalreland



### Product Data Sheet

Parex Bond Plus Mortar  
February 2022, Version 01.01  
020302020010000056

ParexBondPlusMortar-en-IE-(02-2022)-1-1.pdf

