

PRB LATEX FAÇADE

ADMIXTURE FOR BONDING AND ENHANCING MORTARS AND MICRO-CONCRETES

Benefits of the PRB LATEX FAÇADE +

- + Used to obtain high performance mortars
- + Improves the adhesion of all mortars
- + Improves mortar workability
- + Improves weatherproofing and helps reduces the risk of cracking



KEY PRODUCT INFORMATION

- 2L Containers, pallet of 144no x 2L Containers, i.e. 0.288t
- 5L Containers, pallet of 56no x 5L Containers, i.e. 0.280t
- 20L Containers, pallet of 24no x 20L Containers, i.e. 0.480t

STORAGE: 12 months

CONSUMPTION

As a guide:

- For a key/bonding coat: 0.5 to 1 L per bag
- As a slurry mix: 0.12 L/m²/mm
- For an enhanced mortar: 0.6 L/m²/cm
- Additive for C1 adhesive mortar and grouting mortar: 1.0 L/25 kg.

**UK
CA**

USAGE GUIDE

ADHESIVE BONDING COATS

- As a slurry key/bonding coat for renders.
- As a slurry key/bonding coat for concretes and screeds.
- As a slurry bonding coat for the installation of tiles.
- As a bonding mortar for concrete repairs.

HIGH PERFORMANCE MORTARS AND MICRO-CONCRETES

- Suitable for pool and tank waterproofing.
- For enhancing screeds for heavy traffic use in commercial premises.
- Compatible with underfloor heating.

LIMITATIONS

- ✗ Do not use neat.
- ✗ Do not use neat **PRB LATEX FAÇADE** as an adhesive primer.

ADDITIVES FOR PRB MORTARS

- Key coat and 1st coat for one-coat and traditionally mixed renders.
- Bagged powdered renders.
- Technical mortars.
- Grouting mortars for tiles.
- Additives for C1 adhesive tiling mortar to obtain C2 performances.
- PRB Specifications available for applications for very high traffic use.
- To control suction on high absorption or wet substrates or for enhancing mortars for use below DPC and below ground - For guidance contact PRB.

USAGE CONDITIONS

- Between 5°C and 30°C.
- Do not use in the event of frost, on frozen or thawing substrates,
- Wet the substrate: By spraying or brushing the surface with water. Surface must be wet / dampened but not running with water before application.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Concentrated synthetic resin in aqueous dispersion and specific additives.

PRODUCT

- Presentation: White liquid to be diluted.
- Density: 1
- pH: 8 ± 1
- Dry extract: $50 \pm 2\%$
- Dilutions: Depending on use, 1 volume of **PRB LATEX FAÇADE** for 2 to 3 volumes of clean water.

PREPARATION

SUBSTRATE PREPARATION

Substrates must be:

- Clean, free of dust, stable, with all surface defects repaired beforehand.
- Free of any traces of releasing agent, grease, curing products, laitance, etc as these can adversely affect adhesion and therefore must be completely removed. Fully wet substrates before application to create a dampened surface.

PRB LATEX MIXES

- Shake the product before use.
- Always comply with the recommended mix design.

Mix 1 : PRB LATEX solution:

- Mix 1 volume of **PRB LATEX FAÇADE** with 2 volumes of clean water.

Mix 2 : For a slurry coat to adhere screed:

- Mix 1 volume of cement with 1 volume of sand identical to the sand used in the screed (grading 0/2 - 0/4 mm) then mix to a creamy consistency using **Mix 1**.

Mix 3 : For mortars used with masonry work:

- Mix 1 volume of cement with 2 volumes of sand, then mix the mortar to the required consistency using **Mix 1**.

For a key/bonding coat for concrete and all masonry:

- With PRB renders and mortars: add 1/3 to 1/2 L of neat **PRB LATEX FAÇADE** to the mixing water content per bag (reduce the quantity of water by the added latex quantity). Mix the latex and water together first before mixing in the powder content.

MIXING

- Manually with a paddle mixer or cement mixer.
- Use the mortar as soon as a consistent mixture has been obtained.
- Clean tools before it hardens.

PREPARATION COAT APPLICATION

RENDERS:

- After preparing the substrate, apply the mixed key/bonding coat, then apply it in an even thickness of 3 to 5 mm. Leave the surface with a rough textured surface to improve adhesion.
- Let the key coat set (hard under a thumbnail) before rendering.
- Then apply the one-coat or traditional render.

SCREEDS:

- After preparing the substrate, spread **Mix 2** using a brush, in a criss cross layer a few millimetres thick, ensuring full coverage is achieved.
- Mix and apply the screed as you progress, on the still fresh and tacky slurry coat. Even out the mortar and compact using the straight edge, then finish by smoothing with a trowel or float.
- For high performance screeds: mix the mortar using an adapted **Mix 1** solution of 1 volume of **PRB LATEX FAÇADE** to 3 volumes of water.
- Protect the screed from drying: by spraying as soon as the mortar stiffens using a **Mix 1** solution, then wet after 24 hours.

PREPARATION

TILE LAYING:

- Reduces drying times by 50% at 20°C:
- To achieve faster access time (heavy traffic after 7 days in a Superstore), mix the tile adhesive mortar using an adapted **Mix 1** solution of 1 volume of **PRB LATEX FAÇADE** to 3 volumes of water.
- Apply the enhanced tile adhesive using a serrated trowel of the correct guage for the tile being used (this could require a double bed application).
- Apply the tiles to the fresh adhesive and then bed them in. Final bedding in is carried out as you progress and before the mortar hardens.

REPAIRS AND LEVELLING TO THE SCREED BEFORE TILING:

- After preparing the substrate, prepare **Mix 3**.
- Apply the part to be levelled using **Mix 1** then, before drying, apply the **Mix 3** mortar.
- Finish the levelling, smoothing and reshaping immediately using a stainless steel float.
- Depending on the requirement: Large size tiles, very low porosity tiles or tiles with high serration on the bonding side, carry out 'double bonding', both on the screed and to the back of the tiles.

CONCRETE REPAIRS:

- Wash the repair area using a high-pressure cleaner.
- Prepare a **Mix 3** mortar to a spreadable consistency then spread it on the damp surface in a layer of 20 to 30 mm.
- Pour the concrete repair mortar immediately and vibrate it carefully following trade practices and the guidance of the specific concrete repair mortar.

PLASTER COMPOUNDS:

- Mix the plaster using 1 volume of **PRB LATEX FAÇADE** resin with 4 volumes of water.

GROUTING

- To improve the strength and waterproofing of grouting mortars, **PRB LATEX FAÇADE** can be used at 1 L per 25 kg bag: Plan on a mix rate reduction of about 10%.
- **Carry out a test beforehand.**
- Fill the joints by small surface areas then smooth and clean immediately with a sponge without too much water.
- Do not leave to harden on the masonry or tiles.

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



HEALTH & SAFETY

- May produce an allergic reaction. Harmful if inhaled, irritating to eyes and skin. Wear suitable protective clothing, gloves and eye/face protection.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Keep out of the reach of children.
- For further information, please read the Material Safety Data Sheet for this product.

Technical sheet - September 2024

The only purpose of this technical data sheet is to inform customers about the product and its specific uses. The information it contains is based on current knowledge and experience. The end user must carry out a representative test to ensure the product is suitable for their specific application and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Our general terms and conditions of sale shall prevail, and the end user should check to ensure this document has not been replaced by a more updated version.

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