



POLY RUSH - HIGH-PERFORMANCE RUSH COAT

DESCRIPTION :

POLYRUSH is a high-performance, ready-to-use mortar and mineral bonding compound used as a mechanical key coat on substrates prior to rendering. It enhances the adhesion of plaster, gypsum, over-insulation boards, and cement render applied to masonry blocks and concrete.

ADVANTAGE:

- Excellent adhesion to concrete and masonry.
- Improves bonding strength.
- Reduces risk of delamination.
- Easy to apply by brush or roller.
- Suitable for interior and exterior use.
- Compatible with cement-based repair systems.
- Chloride-free.

AREA OF USE :

- Bonding bridge between old and new concrete.
- Before repair mortar application.
- Before cementitious waterproofing systems.
- Before plastering or rendering.
- Pre-treatment of smooth or low-absorption concrete surfaces.
- Horizontal and vertical surfaces.

MIXTURE PREPARATION :

- 25 kg of POLYRUSH is slowly poured into 4-5 kg of clean water.
- Gradually add powder while mixing mechanically (400–600 rpm).
- Mix 2–3 minutes until smooth, lump-free slurry consistency is obtained.
- Do not add extra water beyond recommended ratio.

APPLICATION :

- Apply using brush, roller, or stiff broom.
- Apply thin, continuous coat (approx. 1–2 mm).
- Ensure full coverage without pinholes.
- Apply repair mortar, plaster, or waterproofing while rush coat is still tacky ("wet-on-wet" application recommended).
- Do not allow rush coat to dry completely before overlay application.

CONSUMPTION :

Approx. 4 – 5 kg/m² depending on substrate roughness and porosity.

PACKING :

25 kg craft bags.

PRECAUTION IN APPLICATION:

- Do not apply on frozen, contaminated, or structurally unsound substrates.
- Do not apply below +5°C or above +35°C.
- Avoid application under direct sunlight, strong wind, or rain.
- Apply overlay material (repair mortar, plaster, waterproofing) while rush coat is still tacky (wet-on-wet application recommended).
- Do not allow the bonding slurry to dry completely before applying the next layer.
- Do not add excess water; over-dilution reduces bond strength and performance.
- Mix only the amount that can be used within the pot life.
- Protect freshly applied layer from dust contamination before overlay application.
- Do not use as a final finishing layer or surface coating.
- Ensure uniform thickness to avoid weak bonding zones.
- Failure to apply the overlay while the rush coat is tacky may result in reduced adhesion and possible delamination.

SURFACE PREPARATION :

- Substrate must be structurally sound.
- Remove dust, oil, grease, curing compounds, and loose particles.
- Roughen smooth surfaces mechanically if necessary.
- Pre-wet substrate; remove standing water before application.

SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

STORAGE AND SHELF LIFE :

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use

STANDARDS :

EN 1504-3, R2



TECHNICAL PROPERTIES:

Color	Grey	-
Density (powder)	1.7–1.8 g/cm ³	-
Application Temperature	Between +5°C and +35°C	-
Mixing ratio	4 – 4.5 liters water (per 25 kg bag)	-
Pot Life	45 minutes	-
Consumption	4 – 5 kg/m ² (depending on substrate porosity)	-
Adhesion strength	> 1 N/mm ²	EN 1542
Reaction to Fire	A1	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

WE ARE HERE , DO NOT WORRY ABOUT THE STANDARD

WITH POLYSTAR THE HIGHEST QUALITY CONCRETE IS ACHIEVED

