



CLASSIBOND LATEX KEYCOAT™ - PRODUCT DATA SHEET

CLASSIBOND LATEX KEYCOAT™ is a Styrene-Acrylic copolymer emulsion with exceptionally good flexibility, developed for use with Portland cement. A high-performance acrylic-based bonding primer designed to promote adhesion between dense or low-porosity substrates and subsequent cementitious coatings, adhesives, screeds, and tile adhesives. It incorporates fine graded aggregates for mechanical keying and enhanced interlayer bonding.

USES

- A Waterproofing and Keying aid ADDITIVE.
- a Keying agent for priming previously painted and gypsum plastered surface.
- Suitable Primer / Key Kote for application onto smooth dense substrates such as power floated floors, tile onto tile, and smooth plastered walls.
- An additive for strengthening and waterproofing concentrate and mortar.
- Primer for tiling over **glazed ceramic tiles, painted surfaces, or smooth concrete.**
- Bonding coat for **plaster or screed** over old tiles or sealed surfaces.
- Suitable for both **interior and exterior** applications.
- Ideal for **refurbishment projects** and new installations

Level of Usage: 50% based on weight of cement; more may be required for improved adhesion on thin screeds. CLASSIBOND LATEX KEYCOAT™ can be used with Portland, High Alumina and fast setting cements. To counteract darkening of modified cement, white cement may be added.

KEY FEATURES & BENEFITS

Classibond™ Latex Keycoat is **non-toxic, non-corrosive, and user-friendly**. It is applied using standard mortar preparation methods—simply replace part of the mixing water with **Classibond™ Latex Keycoat**. Add a small amount of clean water only if the mix is too thick.

- Suitable for Interior and Exterior Applications
- Enhances Mortar Strength — Produces a high-strength, shock-resistant bond
- Water-Resistant — Increases durability in wet areas
- Excellent Compatibility — Works seamlessly with ordinary Portland cement
- Performs Well at Low Temperatures
- Improves Flexibility and Tensile Strength
- Resistant to Alkaline Conditions
- Weather Resistant — Ideal for outdoor use
- Reduces Shrinkage in Tile Grouts
- Improves Grout Resistance — Enhances resistance to urine, dilute chemicals, sugar solutions, and lactic acid
- Versatile Patching Applications — Suitable for horizontal (floors), vertical, and overhead repairs
- Perfect for Both New Construction and Repair Work
- Paintable Surface — Once cured, can be painted over without issue

Classibond™ Latex Keycoat does **not alter the setting time** of standard Portland cement, maintaining predictable working conditions on site.

APPLICATIONS

- Primer for tiling over **glazed ceramic tiles, painted surfaces, or smooth concrete.**
- Bonding coat for **plaster or screed** over old tiles or sealed surfaces.
- Suitable for both **interior and exterior** applications.
- Ideal for **refurbishment projects** and new installations.

MINIMUM CURING PERIODS BEFORE TILING

New floors and walls must be left to cure for the following periods to ensure the tiling application is not compromised:

Substrate	Minimum Curing Time
New Concrete	6 weeks
New Screeds	4 weeks
New Brickwork	4 weeks
New Render	2 weeks

SURFACE PREPARATION

- The surface must be **firm, dry, and free from dust**, loose particles, oil, grease, mould, wax, polish, or any organic growth.
- **Organic growth** must be completely removed, and spores killed using **Classic Fungicide**.
- **PVA-painted and gypsum-plastered surfaces** must be **mechanically roughened** to remove at least **80%** of the existing layer.
- **Enamel-painted or bitumen-coated surfaces** must be **100% stripped** by scraping, then chipped to expose at least **80%** of the original substrate.
- **Existing tiles** must be sound and firmly bonded. Clean with a **mild acid solution**, rinse thoroughly with clean cold water, and allow to **dry completely** before tiling.
- **Wooden floors or walls** must be **securely braced** to eliminate any movement or deflection prior to tiling.
- **Smooth off-shutter concrete or power-floated surfaces** must be cleaned with a **mild acid wash** to remove surface laitance. Rinse thoroughly with clean water and allow to **dry fully** before application.

MIXING INSTRUCTIONS

The recommended mix ratio is **1-part CLASSIBOND LATEX KEYCOAT™ to 2 parts** tile adhesive powder by volume (e.g., 10 litres of **CLASSIBOND LATEX KEYCOAT™** per 20 kg of tile adhesive).

1. Measure the required amount of **CLASSIBOND LATEX KEYCOAT™** into a clean mixing bucket.
2. Using a suitable **mechanical mixer**, gradually add the tile adhesive powder while continuously mixing.
3. Mix thoroughly until a smooth, **lump-free, viscous consistency** is achieved.
4. Allow the mixture to stand for **3 to 5 minutes**, then stir briefly before use.
5. The prepared mixture should be **used within 60 minutes** of mixing.
6. Stir well before use. **Do not dilute.**
7. Apply evenly with a brush, roller, or block brush.
8. Allow **CLASSIBOND LATEX KEYCOAT™** to dry until tack-free (approx. 1–2 hours).
9. Apply tile adhesive, plaster, or screed within 24 hours for optimal adhesion.
10. Avoid contamination once dry.

STANDARD APPLICATION PROCEDURE

- All surfaces should be structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds.
- Stir well before use. **Do not dilute.**
- Apply evenly with a brush, roller, or block brush.
- Allow Classibond to dry until tack-free (approx. 1–2 hours).
- Apply tile adhesive, plaster, or screed within 24 hours for optimal adhesion.
- Avoid contamination once dry.

COVERAGE

Coverage will vary depending on the **surface texture, porosity, and application method**, but typical values are as follows:

- **Neat Classibond™ Latex Keycoat:**
Approximately **4 m² per litre** when applied as a primer.
- **Mixed with Tile Adhesive** (10L Classibond™ + 20kg tile adhesive):
Will cover approximately **35–40 m²** under standard conditions.

 **Note:** These figures are intended as a **guideline for estimating material requirements**. Actual coverage may vary depending on **surface condition, porosity, site conditions, and application technique**.

IMPORTANT

- The usage and storage ambient temperature must be between 5°C and 35°C and humidity between 10% and 85%.
- Avoid applying under adverse weather conditions as this could result in poor product performance.
- Tools and implements used for mixing and applying **CLASSIBOND LATEX KEYCOAT™** modified cement mixes must be cleaned with soapy water after use.
- 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.
- Store in a cool, dry place away from direct sunlight and frost. Shelf life is **12 months** in original sealed packaging.

TECHNICAL DATA

- SOLIDS - 45 to 46%.
- DENSITY - Emulsion polymer 1.04 - Dry polymer 1.07.
- VISCOSITY - 200 - 800 cPs (Brookfield LVT #3 @ 30rpm) - 800 - 1500 cPs (Brookfield RVT #4 @ 20rpm).
- SPECIFIC GRAVITY - 1.49 - 1.51.
- PH - 7 - 8%.
- FLASH POINT - Not applicable.
- COLOUR RANGE - Milky White.
- PACKING SIZE – 1 Litres, 5 Litres and 25 Litres.

SAFETY

- Always keep out of reach of children and animals.
- Do not take in orally - harmful if swallowed. Seek medical attention and do not induce vomiting.
- If accidental contact with skin, wash immediately with soap and water or a good quality skin cleaner.
- If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Do not let a freshly painted room be occupied, particularly not by older people, children, or pets.
- Wear a respirator if the area being painted cannot be adequately ventilated, and work for short periods only.
- Ventilate the area to be painted, opening all doors and windows and using fans during application and drying.
- Protect floors with cloth drop cloths, not plastic, which is far more slippery.
- Do not paint or store paint near any heat source such as a water heater or fireplace and never smoke while painting.
- Make sure your ladder is in good shape. Set the legs on an even surface and lock the cross braces. Do not stand on the top of the ladder or on the utility shelf. If you are having difficulty reaching a spot, get down from the ladder and move it rather than leaning out.
- Clean up carefully and thoroughly when you are done for the day.
- If rags have alkyd paint or thinner on them, leave them to dry outside to avoid any chance of spontaneous combustion.
- Choose an area inaccessible to children and pets, and when they are thoroughly dry, take them to a toxic-waste dump site.

GENERAL

Different surfaces and environmental conditions require specific painting systems to produce the best possible results - It is, therefore, recommended that you contact a representative from Classic Paints for advice on all your painting requirements, whenever possible.

The information, and the recommendations relating to the application and end-use of Classic Paints products are given in good faith based on Classic Paints' current knowledge and experience of the products when properly stored, handled and applied under normal conditions. 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 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 Product Data Sheet for the product concerned copies of which will be supplied on request.

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Classic Paints reserves the right to change the information on this data sheet as and when deemed necessary.

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