

Lambert® Macfloor Underlayment

Self-smoothing and leveling compound

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| Description | One-component self-smoothing/leveling cementitious underlayment for all coverings, in domestic/light commercial. Macfloor Underlayment contains special cements and selected polymers to produce a fast setting underlayment with excellent adhesion to most substrates. The material gains strength quickly and can be accessed by foot traffic after 3 hours. It is compatible with most commonly used adhesives and floor finishes as well as with hard wood flooring, ceramic tiles etc. A 10mm thickness of Macfloor Underlayment may be over laid within 1~2 days. It is free of casein, other proteins and ammonia and consequently suitable for use in hospitals and food processing areas. It has been formulated carefully with a balanced chemistry in mind. |
| Uses | Macfloor Underlayment is used to provide a smooth, level underlayment for domestic and commercial floors to receive wood, vinyl sheets, ceramic tile, linoleum, or carpet floor finishes. |
| Advantages | <ul style="list-style-type: none">❖ Easy to use and apply❖ Self-levelling and self-smoothing❖ Excellent adhesion to prepared substrates❖ Pumpable and flowable❖ Free from proteins❖ High strength❖ Durable |
| Technical Data | |
| Compressive strength | ≥25 MPa (28 days) |
| Flexural strength | ≥5MPa (28 days) |
| Mixing ratio | Approx. 5.5~6 litres water to 25 kg powder |
| Working life | Approx. 25~30minutes |
| Setting time | Approx. 70~120 minutes |
| Time open to foot traffic | 4~6 hours |
| Time for covering | 1~2 days @ 5mm |
| Coverage | 1.6~2.0kg/m ² /mm |
| Application thickness | 3~5mm |
| Packaging | supplied in 20kg bag |

Instructions For Use

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| Surface Preparation | Surface must be clean, free from grease, oil, old coating, curing agents, release agents and permanently dry. Surface contaminants and structurally unsound layers must be mechanically removed. The patching mortar for defects surface can be epoxy or cementitious base depending on the scope, particular conditions and requirements of the work. |
| Priming | Seal the prepared surface by applying the first undiluted coat of Macfloor Underlayment Primer. Allow to dry for at least on hour. Apply the second undiluted coat of primer. |
| Mixing | Mechanical mixing should be carried out using a drill with a suitable paddle attachment or continuous-feed mixer pump. Only clean, potable water at a rate of 6 litres per 25 kg powder should be used to give a consistent flow mixture. |
| Application | Macfloor Underlayment should be laid within the working life which is dependent upon ambient temperature and relative humidity. Pour out or pump the mix and distribute evenly. Trowel and apply at sufficient thickness to allow self-smoothing. Protect the fresh screed form direct sunlight during the hydration process. |
| Cleaning | Clean tools and equipment immediately with water. Hardened material can only be removed mechanically. |
| Shelf Life and Storage | Store in a cool dry place. Shelf life in correct storage conditions for sealed bags is 6 months. |
| Notes | The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's 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 respects 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 should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request. |

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