

## UNO FEIN 510 Adhesive Mortar + Filling

<b>INTENDED PURPOSE:</b>	<p>Universal, mineral lime cement based, factory-prepared dry mortar for outdoor and indoor applications</p> <ul style="list-style-type: none"><li>- as an adhesive and reinforcement mortar for SCHAEFER KALOTHERM external wall insulation systems</li><li>- as an overlay with and without fabric on load-bearing plasters, including coated rendering</li><li>- as a universal adhesive for insulating panels, smooth stones and tiles on smaller areas</li><li>- as an adhesive plaster or bridge on smooth concrete surfaces and roughened Styrodur boards and EPS boarding elements</li><li>- for the pre-treatment of small wood-fibre construction board areas</li></ul> <p>For the reworking of coated or uncoated surfaces with or without fabric, these surfaces must have the respective load carrying capacity.</p>
<b>COMPOSITION/ PROPERTIES:</b>	<p>A factory-prepared dry mortar of type CS IV DIN EN 998-1 on the basis of SCHAEFER hydrate of white lime, Portland cement, high-grade quartz sand 0-0,4 mm and adhesion enhancing additives.</p> <p>Typical values: Fire classification: A 1 Compressive strength: 7.6 N/mm<sup>2</sup> Bulk density of set mortar: 1.39 kg/dm<sup>3</sup> Water absorption W: W 1</p>
<b>FORM OF DELIVERY:</b>	<p>In 25 kg paper sacks. Available on request in silos.</p>
<b>STORAGE:</b>	<p>Store dry, on wooden grids if possible and away from draughts. Can be stored for at least 9 months under the correct dry conditions.</p>
<b>PREPARATION:</b>	<p>With all usual plastering machines and continual mixer. When applying by hand, mix UNO FEIN 510 in water until ready for application, stir again briefly after a resting time of approx. 10 minutes. Water requirement approx. 8-9 l per sack. Nothing should be added apart from clean water.</p>
<b>YIELD:</b>	<p>25 kg UNO FEIN 510 = 19 l fresh mortar, yielding a reinforcement area of 6,3 m<sup>2</sup> with an application thickness of 3 mm, depending on the base. When used in the SCHAEFER KALOTHERM system for adhering and reinforcement, the yield is approx. 8 – 10 kg/m<sup>2</sup>.</p>
<b>PLASTER BASE:</b>	<p>Must be dry, clean and free of loose particles. Pre-treat high absorption substrates with a diluted PRIMER. Treat sanding or chalking bases using SPECIAL PRIMER W. Pre-treatment with QUARTZ PRIMER is required in the case of smooth synthetic resin plasters and paintwork. The drying time is respectively 24 hours.</p>
<b>PLASTER APPLICATION/ PROCESSING:</b>	<p>For use in the SCHAEFER KALOTHERM system: see KALOTHERM brochure "Application and Processing" (only available in German). When used as an adhesive bridge for smooth-shuttered concrete and roughened Styrodur and for small areas of wood-fibre construction boards, UNO FEIN 510 must be applied approx. 5 mm thick and combed across with a toothed trowel. For use as an adhesive plaster on concrete, EPS board elements and as renovation mortar for old, good bearing façades, apply one layer 3 – 5 mm thick. Fabric embedding according to condition of base. Filling with fabric on backing plaster of type CS IV: approx. 3-4 mm thick. As a backing plaster it must be prepared according to the finishing coat to be applied. Two layers should be used for outside work which is to be painted or for the preparation of felted surfaces. Processing time 1 – 2 hours, depending on the temperature and absorbency of the base.</p> <p>Fabric embedding as required.</p> <p>Do not apply UNO FEIN 510 at temperatures below 5° C and over 30°C of the air or the plaster substrate. It is to be protected from frost until drying.</p>
<b>SAFETY NOTICE:</b>	<p>Mortar reacts with a heavily alkaline effect - avoid contact with the eyes and the skin. Do not inhale dust. Details are shown in the safety data sheet.</p>

The above information is based on tests and experience and represents a general guideline. It cannot be transferred to every specific application and does not release the user from the obligation of carrying out his own tests and trials. The generally recognised and technical rules of building technology as well as relevant standards and guidelines apply. Technical information about further products and our technical consultancy service are available on request. We reserve the right to make technical changes in the interests of ongoing development. In addition, our General Terms and Conditions of Business apply. Revision date: February 2015.

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