

MULTI 550

Adhesive, Reinforcement and Renovation Mortar

INTENDED PURPOSE:	Universal, mineral lime cement based, factory-prepared dry mortar for outdoor and indoor applications - as an adhesive and reinforcement mortar for SCHAEFER KALOTHERM external wall insulation systems - as an overlay with and without fabric on load-bearing old plasters, including painted surfaces - as a universal adhesive for insulating panels, smooth stones and tiles on smaller areas - as an adhesive plaster or bridge on smooth concrete surfaces and roughened Styrodur boards, EPS boarding elements and wood fibre plaster base insulating boards - for the pre-treatment of small wood-fibre construction board areas
COMPOSITION/ PROPERTIES:	A factory-prepared dry mortar of type CS II DIN EN 998-1 on the basis of SCHAEFER hydrate of white lime, Portland cement, limestone sand 0-1.2 mm, reinforcing fibres and adhesion enhancing additives. Typical values: Compressive strength: 3.7 N/mm ² Bulk density of set mortar: 1.42 kg/dm ³ Thermal conductivity λ_R : 0.61 W / (m·K) Water vapour permeability μ : 10 Water absorption W: W 2
FORM OF DELIVERY:	In 25 kg paper sacks. In SCHAEFER silos and silo vehicles. With silo mixing plant or continual mixer if required.
STORAGE:	Store dry, on wooden grids if possible and away from draughts. Can be stored for at least 9 months under the correct dry conditions.
PREPARATION:	With all usual plastering machines. When applying by hand, mix MULTI 550 in water until ready for application, stir again briefly after a resting time of approx. 10 minutes. Water requirement approx. 6.5 l per sack. Nothing should be added apart from clean water.
YIELD:	25 kg MULTI 550 = 20 l fresh mortar, yielding a reinforcement area of 4 m ² with an application thickness of 5 mm, depending on the base. When used in the SCHAEFER KALOTHERM-System for adhering and reinforcement, the yield is approx. 10-12 kg/m ² .
PLASTER BASE:	Must be dry, clean and free of loose particles. Film forming release agents must be removed. Depending on the type and properties of the plaster base, it can be necessary to make a plaster base preparation. Pre-treat strongly drawing subgrades with dyed primer. Treat sanding or chalking bases using SPEZIALGRUND W. Pre-treatment with QUARZGRUND is required in the case of smooth synthetic resin plasters and paintwork.
PLASTER APPLICATION/ PROCESSING:	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, MULTI 550 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, wood-fibre boards and as renovation mortar for old facades, apply one layer 5-10 mm thick. Fabric embedding according to condition of base. Filling with fabric on backing plaster: approx. 5 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. Fabric embedding as required. Do not apply MULTI 550 at temperatures below 5° C and over 30°C of the air or the plaster base. Protect the plaster against frost until it has completely dried.
SAFETY NOTICE:	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.

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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