



Professional mineral lightened adhesive-coating for thermal insulation system or for smoothing out poorly absorbent substrates



konstruktive · **leidenschaft**



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PRODUCT DESCRIPTION

WHITE LIGHT is a special mineral lightened universal adhesive and coating insulator for the thermal insulation panel systems *COVER.therm* by Vimark.

Its high bonding strength combined with good workability make it an ideal coating product to even out many wall types and/or poorly absorbent substrates such as; concrete, ceramic and glass mosaic, thick plastic cladding, mineral claddings, natural stone or marble, painted substrates, polystyrene or polyurethane, wood (plywood), crazed traditional cement plasters etc. Also to prepare internal or external substrates for subsequent decorations.

Its lightweight composition means it can be directly applied to AAC.

The product is not be used on gypsum or organic coatings that are inconsistent, degraded or peeling, on walls treated with a water-resistant siloxane protection or grease, substrates treated with wax or release agents or surfaces subject to rising damp.

COMPOSITION

WHITE LIGHT is a product consisting of special cements, selected lightweight aggregates and specific additives to improve application, adherence to substrates and flexibility of the product.

MIXING AND APPLICATION

ADHESIVE-COATING FOR THERMAL INSULATION SYSTEM

The substrates must be healthy, stable, free from dust and unstable parts. The surfaces must be dry and free of or properly protected from rising damp.

If the substrate is coplanar, apply **WHITE LIGHT** over the surface using a dented trowel. If the substrate is not coplanar, but has irregularities ranging from between 10 to 15 mm, apply **WHITE LIGHT** to the edges of the panel and to central points, ensuring a minimum surface coverage for adhesion equal to 40% of the size of the panel. After applying the adhesive, make sure that the product does not go over the sides of the panel when applying to prevent heat bridges and ensure a correct combination of the insulating materials.

Mix a 20 kg bag of **WHITE LIGHT** with approx. 6.0-7.0 litres of clean water and mix with an electric drill at low speed until smooth and free of lumps. Leave to rest for about 5 minutes and remix briefly before use. A continuous mixer can also be used. Position the insulating panels, occasionally check the correct flatness of the surface with a screed bar. Any open gaps between the panels can be filled by applying strips of insulating product or, for cracks less than 4 mm, by injecting suitable polyurethane foam filling.

After placing the insulation panels and the drying of **WHITE LIGHT**, proceed with the drilling stage to improve substrate adhesion and stability using insulation screws from the range **COVER.FIX**.

Apply corner profiles with mesh such as **PARASPIGOLO CAPPOTTO AL**, **PARASPIGOLO CAPPOTTO PVC** or **PARASPIGOLO PVC GOCCIOLATOIO** from the range *COVER.therm* by Vimark.

Once the panels are fixed and the edges protected, apply the insulating reinforced coating system by applying **WHITE LIGHT**. Apply the product to cover the panels entirely with a metal trowel in a constant thickness never less than 3 mm. Insert within the plaster layer from top to bottom the fiberglass alkali-resistant reinforcement mesh **ARMANET 4x4** making sure to overlay each strip by app. 10 cm. Setting phase completed, apply a second





coat to even out the surface. The prepared surfaces are then suitable for treating with finishing products from the range *COVER.therm* by Vimark.

SKIM COATING

The substrates must be healthy, stable, free from dust and unstable parts. The surfaces must be dry and free of or properly protected from rising damp.

Mix a 20 kg bag of **WHITE LIGHT** with approx. 6.0-7.0 litres of clean water and mix with an electric drill at low speed until smooth and free of lumps. Leave to rest for about 5 minutes and remix briefly before use. A continuous mixer can also be used.

Apply with **WHITE LIGHT**, the corner profiles with mesh such as **PARASPIGOLO CAPPOTTO AL, PARASPIGOLO CAPPOTTO PVC** or **PARASPIGOLO PVC GOCCIOLATOIO** from the range *COVER.therm* by Vimark.

Apply a first coat of product to cover the surface entirely with a metal trowel in a constant thickness. Insert within the plaster layer from top to bottom the fiberglass alkali-resistant reinforcement mesh **ARMANET 4x4** making sure to overlay each strip by app. 10 cm. Setting phase completed, apply a second coat to even out the surface. The prepared surfaces are then suitable for treating with finishing products from the products line *DECORATIVE FINISH RANGE* by Vimark.

Trowel the final coat directly and waiting at least 48 hours before applying the decorative finish paint from the products line *DECORATIVE FINISH RANGE* by Vimark.

INDICATIVE AMOUNTS REQUIRED

Adhesive: 2.5-4.0 kg per m².
Coating: 2.0-3.0 kg per m².

COLOUR

White.

PACKAGING

20 kg bags on disposable 1260 kg pallet (63 bags) protected by waterproof plastic wrap.

STORAGE

12 months in original intact packaging and stored in a dry place.

RECOMMENDATIONS

Do not apply in temperature below + 5°C , or above + 35°C.

Do not apply to dusty, uneven and inconsistent substrates.

Do not apply to surfaces that are frozen, thawing or if freezing temperatures are expected within 24 hours.

Do not apply adhesive thickness of more than 10mm

Protect the applied product from rapid drying due to strong wind and direct sunlight or rain.

PRODUCT DATA

<i>Appearance</i>	powder
<i>Colour</i>	white
<i>Dry bulk density</i>	~ 1100 kg/m ³
<i>Maximum aggregate size</i>	< 1.0 mm

APPLICATION DATA

<i>Water content of mixture</i>	30-35%
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PERFORMANCE DATA

Mixing ratio	1 bag 20 kg + 6.0-7.0 ℓ of water	
Minimum application temperature	+ 5°C	
Maximum application temperature	+ 35°C	
Workable time	≥ 90' minutes	EN 1015-9
Maximum thickness to be applied	10 mm	
Bulk density of fresh mortar	~ 1500 kg/m ³	EN 1015-6
Bulk density of hardened mortar	~ 1250 kg/m ³	EN 1015-10
Adhesion	0.15 N/mm ² B	EN 1015-12
Fresh mortar consistency	140 mm	EN 1015-3
Air content	24 %	EN 1015-7
Compressive strength	> 6.0 N/mm ² CS III	EN 1015-11
Flexural strength	> 2.0 N/mm ²	EN 1015-11
Capillary water absorption	W0	EN 1015-18
Water vapour permeability coefficient	< μ 20	EN 1015-19
Thermal conductivity	0.47 W/mK (tab. Mean value; P=50%)	EN 1745, A.12
Specific heat capacity	1.0 kJ/kgK	EN 1745, A.12
Reaction to fire	A1 Class	EN 13501-1
Durability	Evaluation based on provisions valid in the intended place of use of the mortar	EN 998-1
Dangerous substances	See MSDS	EN 998-1

ACCORDING TO



EN 998-1
General purpose rendering/plastering mortar (GP) for internal/external use

REMARKS

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.

