



UNI EN ISO 9001:2008
Quality System Certified Company



TECHNICAL DATA SHEET
PRODUCT

TERMOGen 77

CEMENT MORTAR FOR INSULATING SYSTEMS

TERMOGen 77

Pre-mixed cement mortar, mono-component, based on Portland cement, for gluing and smoothing thermo insulating panels and insulating plaster systems.

FIELDS OF APPLICATION

Suitable for gluing thermo-insulating panels in general (expanded/extruded polystyrene, expanded polyurethane) directly on the plaster, masonry or concrete.

Suitable for smoothing insulating panels with interposed fibreglass reinforcing net, resistant to alkali, indoor and outdoor walls ("over coat" insulating system)

EXAMPLES OF APPLICATION

Gluing and smoothing of thermo-insulating indoor placed and outdoor placed insulating system on:-

- cement plaster or mortar;
- concrete;
- bricks or concrete blocks.

TECHNICAL CHARACTERISTICS

TERMOGen 77 is a grey powder composed by cement, sands of thin selected granulometry, synthetic resins and special additives according to a specific formulation made by the laboratory technicians of "GeneralKoll Cement Products Division".

When mixed with water, it becomes a mortar having the following characteristics:

- Good workability;
- Thixotropic; can be applied on vertical surfaces without running down and without sliding of the insulating panels;
- Improved adhesion to any building materials;
- Hardening/curing without significant shrinking.

TECHNICAL DATA

Specific gravity	1.300 kg/m ³
Thickness (of application)	2 to 5 mm. (2 mm. suggested for smoothing)
Granulometry	<0,6 mm.
Yield	Smoothing: 1,4 kg/m ³ each mm. of thickness Full surface gluing: 4-6 kg/ m ³ "points" system gluing :3-4 kg/ m ³
Quantity of water into the texture	30% about
Time of workabilty	3 hours abt. at +20°C (68°F)
Adhesion after 28 days (after open time 20 minutes)	12,4 kg/cm ² abt.
Adhesion after 28 days (after open time 30 minutes)	10,0 kg/cm ² abt.
Adhesion after sinking in water	9,1 kg/cm ² abt..
Adhesion after heat action at +70°C (158°F)	16,7 kg/cm ² abt.
Adhesion on concrete after 28 days	15,0 kg/cm ² abt.
Temperature of Application	from +5°C (41°F) to +40°C (104°F)



HOW TO USE

Preparing the background

The surface must be greasy substances or/and dirt free. Eventual traces of oil, grease, wax, etc. must be preventively removed

Preparing the texture

To each 25 kg. bag of **TERMOGen 77** add 7 to 7.5 liters of clear water and mix by hand of, better, by mechanic stirrer working at low rpm equipped with suitable mixing helical tool till to obtain a homogeneous and lumps free texture.

Application

To glue panels, apply the texture "by strips" and place the panels in staggered way taking care to fix them by suitable anchoring (mechanical or chemical anchors). Smooth the surface and sink into the applied texture a fibreglass net resistant to alkali.

WARNING

TERMOGen 77 must be used at the original state (as it is) without adding any kind of alien material

PAGKAGING

Paper bags of 25 kg. each

IMPORTANT

Store in dry place without humidity, into the original sealed packaging, for a period not exceeding 12 months. Cement base preparation CANNOT STAND THE HUMIDITY. Keep out from the reach of children

LIMITATION OF LIABILITY The information supplied has been taken from the bibliography and from our laboratory experience and is to be understood as general indications and not a formal guarantee. In particular, responsibility for defective products, when ascertained, is limited to the product purchase price. The manufacturer cannot be held responsible for any implicit or explicit damages due to use of the product which remains beyond our direct control.

ALWAYS MAKE A PRELIMINARY TEST BEFORE THE FINAL APPLICATION