



THERMO-GUM for EXTERIORS

ALGAE RESISTANT, ELASTOMERIC, ACRYLIC PAINT
WITH THERMAL INSULATING PROPERTIES**Technical sheet****COD. 608 RIF. 1212****GENERAL PROPERTIES:**

THERMO-GUM is a protective, flexible paint based on special elastic polymers in aqueous dispersion and formulated using advanced knowledge in nanotechnology. Thanks to thermal insulating nanoparticles that reduce thermal conductivity, reflect thermal radiation and make it water-repellent, **THERMO-GUM** is ideal for improving significantly heat insulation and protecting external masonry with micro-fissures. **IDEAL FOR BITUMINOUS MEMBRANE**

TECHNICAL PROPERTIES:

SPECIFIC WEIGHT	1,05 kg/lit +/- 0,03 a 20°C
VISCOSITY AT 20°C	11.000 cps +/- 1.000
NATURE OF BINDER	Acrylic
DRYING AT 20°C	<u>TOUCH DRYING</u> 2 hr
	THROUGH DRYING 24 hrs
COATABILITY	4-5 hours
THINNESS	5-10% water

**SURFACE PREPARATION:**

- **Bare walls:** ensure the substrate has weathered for at least 28 days, clean thoroughly, removing dust/filth and unsound paintwork. If necessary stucco with a suitable restoration mortar. Ensure the wall is perfectly dry and apply a coat of **NANOFIX SEALER** (thinned at 100% by volume with water); allow at least 12 hours and apply **THERMO-GUM**.
- **Walls with existing paintwork:** remove any unsound paintwork & efflorescence. Clean thoroughly, remove dust and filth. Ensure the substrate is dry and apply a layer of **NANOFIX SEALER** (thinned at 100% by volume with water). Allow at least 12 hours and apply **THERMO-GUM**.
- **Walls with efflorescence** or subject to rising damp must be restored before application in order to guarantee adherence.
- We recommend pre-treating mould, algae or moss by washing with our detergent **GERMOSOL** and by applying one coat of **GERMOSTOP (antibacterial products)**.

APPLICATION: BRUSH, ROLLER, SPRAYApply **THERMO-GUM** as follows (wherever water-based, acrylic paints are normally applied):

- Brush: stir well, thin 5-10% by volume with water and apply using about 6-7 m²/lit. per layer. Allow 2-3 hours and apply the second and the third layer.
- Woollen or synthetic fibre roller: thin at 5-10% by volume with water and apply the product in one go, wet on wet. Allow at least 2-3 hours and apply the second coat and third coat.
- Do not apply **THERMO-GUM** at ambient or substrate temperature below + 5°C or above + 35°C.
- Thinned product must be used by **24/48 hours**.
- After application, exterior walls must be protected against rain, freezing, fog and dew for at least 48 hours. The drying times indicated in the Technical Properties refer to a temperature of + 20°C and 65% R.H. Consequently, drying may take much longer when temperatures are lower and humidity is higher. This, in turn, lengthens recoating/protection times.
- Wash equipment immediately after use with water.
- **THERMO-GUM** does not contain any toxic or harmful substances beyond the limits set by the regulations in force.
- Use in compliance with current Health and Safety Regulations. Dispose of spent material/containers according to the same.

YIELD:The three-coat painting cycle implies a coverage of about 8/9 m²/lit for coat of **THERMO-GUM**. It is suggested to determine the same by testing on the specific substrate. A total coat of 250-300 microns is recommended to achieve the ideal energy efficiency.**WARNINGS:**

Apply the product in climatic conditions as mentioned above. In unsuitable conditions, the application of the product is adversely affected in the drying time, and the achievement of the optimum appearance and performance can be compromised. After application, exterior surfaces must be protected against rain, freezing, fog and dew for at least 48 hours. In ideal weather conditions (+20°C. and 65% R.H.) drying and physical cross linking occurs in about 7 days; yet, drying may take longer when temperatures are lower and humidity is higher and some unsightly looking, translucent and sticky leakages could appear. This temporary phenomenon does not affect the performance of the product and may be removed by washing or waiting for the next rainfall event. Not mature plasters and patches can cause fading, stains and appearing of efflorescence.

STORAGE:Store in a cool, dry, well ventilated area away from heat and direct sunlight.
Refer to the MSDS for further information.

The data herein are correct at the time of Quality Control and refer to standardized environmental conditions. The same must be considered as a guide and don't have to be used in substitution for customer's tests to ensure that Barozzi Vernici products are safe, effective and fully satisfactory for the intended use. Moreover, since conditions and methods for the application are beyond our control, Barozzi Vernici cannot be responsible of them.