

CICO Thermoseal-XL

Thermal Insulating Elastomeric Paint for Roofs and Walls

CICO THERMOSEAL – XL is water based elastomeric high build paint for concrete roofs and exterior walls. **CICO THERMOSEAL – XL** is heavily filled with specially selected hollow ceramic micro sphere and titanium di oxide.

FUNCTION

CICO THERMOSEAL – XL has dual effects. Firstly, it reflects more than 80% of sun rays thereby heating of roof surface reduces remarkably due to high amount of Titanium di oxide. Secondly, transfer of heat from roof surface is blocked due presence of ceramic micro sphere. When it is applied on exterior side walls and roof it reduces energy cost approximately 20%.

AREAS OF APPLICATION

CICO THERMOSEAL – XL is applied in areas such as walls and roofs of residential houses, industrial & commercial structures, cold storages, etc.

FEATURES

- Cured film is highly elastomeric in nature thereby very high degree of crack bridging capability.
- Aliphatic polymer is used therefore no effect on UV rays.
- Effective both in hot or cold climates.
- Reduces heating and cooling demands.
- Saves energy and utility costs by reducing heating/cooling demands.
- Safe & Non Toxic.
- Easy to apply.
- Zero VOC (volatile Organic Compound).

- Excellent adhesion with most of the building materials.

SURFACE PREPARATION

All surfaces should be dry and free from contamination such as oil, grease, loose particles, laitance, moss, algae etc. To ensure an unbroken coat of **CICO GUARD – WP (primer) and CICO THERMOSEAL – XL** surface containing blow holes or similar areas of pitting should be filled using a suitable cementitious fairing coat. This cementitious fairing coat should be allowed to cure for about 48 hours depending on ambient conditions before the application of **CICO GUARD -WP**

APPLICATION

Primer

CICO GUARD-WP is used to prime the concrete surface to seal all concrete pores and provides a uniform semi-gloss strong surface. For highly porous surface two coats are required to seal all pores. Apply the primer by nylon bristle brush, roller or ordinary knapsack sprayer. Allow the film to harden for at least 4 hours before application of **CICO THERMOSEAL – XL**.

Top Coat

- All primed surfaces should be coated with two coats of **CICO THERMOSEAL – XL**.
- The material for **CICO THERMOSEAL – XL** should be stirred thoroughly before use.
- The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating.
- The second and subsequent coats of **CICO THERMOSEAL – XL** shall be applied



Future-proofing what you build

exactly as detailed above, to achieve desired film thickness of about 200 microns(total DFT)

SHELF LIFE

18 months.

PACKAGING

1 Ltr, 5 Ltr, 20 Ltr & 50 Ltr.

COST BENEFITS OF CICO THERMOSEAL-XL

AREA OF ROOF	2500 SQ. FT
COST OF CICO GUARD –WP (PRIMER)	225/- PER LITRE
COVERAGE OF GUARD- WP	70 SQ. FT PER LITRE
COST OF GUARD -WP PER SQ. FT	225/70 =Rs. 3.21
COVERAGE OF THERMOSEAL – XL	40 SQ. FT PER LITRE
COST OF THERMOSEAL PER LTR	275/-
COST OF THERMOSEAL – XL/SQ. FT	275/40 =Rs. 6.87
LABOUR COST PER SQ. FT.	Rs. 3/-
TOTAL COST FOR 2500 SQ. FT	2500X(3.21+6.87+3) =Rs. 32700/-

TOTAL NOS. OF AC	1.5 T 2 NOS + 2 T 1NO.
TOTAL WATTAGE	1800X2 +2400X1 = 6000 W
CONSUMPTION OF POWER PER DAY @12HR	=72000 W =72KW
COST OF POWER PER UNIT (1KW)	Rs. 4/-
PER DAY POWER COST	72x4 = 288/-
ENERGY SAVING BY THERMOSEAL-XL	30%
SAVING PER DAY	288x30% =Rs. 86.4

Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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