



ISO 9001:2000

# CICO SHIELD

## Polymer Modified Bituminous Waterproofing Membrane

**DESCRIPTION** : **CICO SHIELD** is a Polymer Modified Bituminous Waterproofing Membrane being manufactured by calendaring process. **CICO SHIELD** is a torch application membrane system for all types of building waterproofing work.

**FEATURES** :

- \* Outstanding fatigue resistance capable of accommodating repeated thermal shock.
- \* Highly durable due to high flexibility.
- \* Highly compatible with most of the building material.
- \* Ensures uniform thickness over the entire surface.
- \* Ballasting or any other coating can be avoided.
- \* Non-woven polyester reinforcement provides Transverse & Longitudinal resistance.

**APPLICATION** : The surface over which **CICO SHIELD** is to be applied shall be free from loose material, oil/dust or any other foreign material adhering to the surface.

Apply primer - **CICO B-MEN** on the cleaned surface uniformly and allow the same to dry. Cut membrane from the Roll to sizes and align the sheets in such a way to provide 100mm side lap and 150mm longitudinal lap, side laps are to be staggered. The propane torch flame then be applied on the exposed outer surface of the roll till it becomes sticky. Roll out the membrane and press with a mallet for proper bonding of the membrane to the primed surface. Cut out and patch the blisters if any.

### TECHNICAL DATA

Roll Size(standard) : 1m x 10m  
Thickness : 3mm, 4mm, 5mm  
Softening Point : >140°C as per ASTM D36  
Water Absorption : Not more than 1%  
(ASTM D-1228)  
Resistance to UV Test : No deterioration  
(ASTM G-53)  
**STRESS RESISTANCE** :  
**(Load at break)**  
LongitudinalResistance : > 550 N/5cm  
Transverse Resistance : > 450 N/5cm  
Elongation(Transverse)% : 40 to 45  
Elongation(Longitudinal)% : 40 to 45  
Cold Bonding : 0°C  
Tearing Resistance(N) : 100 to 120  
Reinforcement(gm/m<sup>2</sup>) : 100 to 170  
Permeability to water : > 50  
(K Pa)  
**Ageing** : It withstand accelerated weathering test according to ASTM/ANSI G53-77.

- HANDLING** : Unloading, loading and lifting to the roof should be carried on horizontal board. Rolls should not be stored in more than 2 to 3 layers. Roll should be protected from direct heat and rain. Keep flame away from the roll.
- SHELF LIFE** : Shelf life is 12 months if stored in a well protected room.
- STORAGE** : Keep in a cool place and protect from extremes of heat.
- HEALTH & SAFETY** : Does not cause any health hazard.
- PRODUCT INFORMATION** : Although the basic formulation of our products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties.

#### **TECHNICAL SERVICE**

- \* CICO maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the construction industry. The Division will advise on the correct use and selection of right products at the right place.
- \* CICO undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures.
- \* CICO undertakes jobs as a package for total waterproofing system with guarantee.

---

## **CICO TECHNOLOGIES LIMITED**

**Tel.No: 91-11-4050 9400**

**Fax No: 91-11-4050 9413**

**E-Mail: [cicotech@cicogroup.com](mailto:cicotech@cicogroup.com)**

**Web Site:[www.cicogroup.com](http://www.cicogroup.com)**