

**FEATURES**

: TOA 237 Cement Membrane is a cement based 2 parts polymer modified waterproofing slurry. It is applied on surface of concrete or mortar to prevent or solve the problem of leakage of the structure. Due to flexible in itself, it is not a problem to crack. Suitable for waterproofing, cracksealing and repair works.

**USES**

: TOA 237 Cement Membrane is used for external and internal waterproofing in the following structures :

- Water tank, swimming pool
- Basements, flat roofs
- Terraces and Balconies
- use before tiling bathroom

**ADVANTAGES**

: TOA 237 Cement Membrane provides the following beneficial properties :

- Seamless waterproofing system.
- Flexible, resistance to crack well.
- Excellent adhesion strength onto substrate.
- Easy application and good workability.
- Can be used with drinking water in accordance with Waterworks Authority.
- Use for interior and exterior.
- Non-toxic.

**TECHNICAL INFORMATION**

- Appearance      Part A  
                                 Part B

- Color  
- Density

- Mixing ratio  
- Compressive strength (ASTM C109)  
- Flexural strength (ASTM C348)  
- Bonding strength (BS 1881)  
- Drinking Water (TIS. 257)

: White liquid  
: Grey powder  
: Grey ( A+B )  
: 1.61 kg / ltr ( bulk density of powder )  
: 2.00 kg / ltr ( density of fresh mortar )  
: A : B = 1 : 3.33  
: > 35 Mpa ( 28 days )  
: > 9 Mpa ( 28 days )  
: > 1 Mpa ( 28 days )  
: Passed

**APPLICATION SYSTEM****Surface Preparation**

- Substrate must be sound, free of loose or weak particles, dust and dirt. Oil and wax containing layers, as well as laitance must be completely removed. The substrate must be thoroughly wetted down prior to the mortar application.
- In case of mold and algae, brush and clean with TOA 113 Microkill then leave it dry for 24 hours before applying with TOA 237 Cement Membrane.

**Mixing**

- Pour Part A, Acrylic polymer, size 6 kgs. Into a prepared container. Add Part B, Modified portland cement, into the container gradually while using a blender mixing with a low speed and mix for approx. 3 minutes until a smooth workable consistency is achieved.

<p><b>Application</b></p> <p><b>Recommendation</b></p>	<ul style="list-style-type: none"> <li>- Apply the first coat while the surface is still damp from saturation with an iron trowel or brush and leave to harden ( 3-6 hrs. ).</li> <li>- Apply a second coat of identical thickness at the rate 1.5 - 2 kg / 1 sq.meter / 1 coat but coat in the direction transverse to the first coat.</li> <li>- Stir well before use and once mixed, entire contents should be used.</li> <li>- Do not use TOA 237 Cement Membrane during strong sunshine or on hot substrate to prevent cracks.</li> <li>- Temperature range for use is 5°C – 35°C</li> <li>- For areas expected to be cracked or existing crack ie. the corner between floor and wall. After apply the first coat reinforce with TOA Fiber mesh while wet prior to apply the second coat.</li> <li>- Apply at least 2 coats, thickness not less than 2 mm.</li> <li>- For storage tank should be cleaned with water before use.</li> <li>- For bath rooms, swimming pool can be tiled after the second coat 7 days.</li> <li>- Mixing tools should be cleaned with water while material is still fresh.</li> <li>- Keep away from children and avoid contact with eyes.</li> <li>- Wash all tools immediately after use with water.</li> </ul>
<p><b>USAGE RATE</b></p>	<p>: 1.5-2.0 kgs / 1 sq.meter / 1 coat</p>
<p><b>HANDING AND STORAGE</b></p> <p><b>Storage</b></p> <p><b>Shelf life</b></p>	<ul style="list-style-type: none"> <li>- Keep all containers well closed.</li> <li>- Keep in a dry cool place.</li> </ul> <p>: 12 months in original packing.</p>
<p><b>PACKAGING</b></p>	<p>: 26 kg / set ( A+B )</p>
<p><b>HEALTH AND SAFETY</b></p>	<p>: Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.</p> <p>: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.</p>
<p><b>DISCLAIMER</b></p>	<p>: This information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However,as the product is often used under conditions beyond our control,we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.</p>