

FEATURES	<p>: TOA Floorseal is a single component ready-to-use grey cement mortar made from cement, selected fine grain aggregates, special flexible polymers. Mix with water and apply on surface of concrete or mortar to prevent or solve the problem of leakage of the structure. Suitable for waterproofing, crack sealing and repair works. The mix can be easily applied by brush or trowel. It cures to give a flexible membrane and excellent adhesion to the substrate. It can be used as final coating, UV and water resistant.</p>
USES	<p>: TOA Floorseal is used for waterproofing in the following structures :</p> <ul style="list-style-type: none"> - Water tank, swimming pool - Basements, flat roofs - Terraces and Balconies - Use before tiling bathroom - Water-retaining area which may be subject to movement - Suitable for internal and external use, against positive and negative water pressure.
ADVANTAGES	<p>: TOA Floorseal provides the following beneficial properties :</p> <ul style="list-style-type: none"> - Seamless and jointless waterproofing system. - Excellent adhesion strength onto substrate. - Flexible, resistant to crack well. - Waterproof, resists positive and negative water pressure. - Can be used with drinking water in accordance with Waterworks Authority. - Easy application and good workability. - Can be applied to damp substrate. - Water vapour permeable. - UV resistant, use for interior and exterior. - Non-toxic
TECHNICAL INFORMATION Appearance Color According to EN 14891 - Tensile adhesion strength on concrete (EN 1348) 28d SC 7d SC + 21d water 14d SC + 14d 70°C + 1d SC - Crack over bridging @ 28 d. - Waterproofing under hydrostatic pressure Positive / Negative (7days @ 1.5 bar) Water Permeability against positive pressure Drinking Water (TIS. 257)	: Grey Powder : 1.26 kg / ltr (bulk density of powder) 1.48 kg / ltr (density of fresh mortar) : > 2.0 MPa : > 1.9 MPa : > 2.0 MPa : 0.55 mm. : Passed : > 5 bar : 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.
- Surface irregularities such as cracks or holes must be repaired before applying.
- In case of mold and algae, brush and clean with TOA 113 Microkill then leave it dry for 24 hours before coating with TOA Floorseal.
- The substrate must be thoroughly wetted down prior to the mortar application.

Mixing

- Mix TOA Floorseal 20 kg. (1 bag) with clean water 7 litre. into a prepared container. Using a blender mixing with a low speed and mix for approx. 3 minutes until a smooth workable consistency is achieved. Allow the mixture to saturate for 1-2 minutes, adding TOA Floorseal or water to adjust viscosity when necessary and remix for maximum 2 minutes.
- After mix TOA Floorseal, should use it within one hour or less, depending on weather conditions.

Application

- Apply the first coat while the surface is still damp from saturation with an iron trowel or brush and leave to harden (2-3 hrs.).
- Apply a second coat of identical thickness at the rate 1.5 - 2 kg/ 1 m²/ 2 coat in across direction of the first coat.

Recommendation:

- Stir well before use and once mixed, entire contents should be used.
- Do not use TOA Floorseal during strong sunshine or on hot substrate to prevent cracks.
- For areas expected to be cracked or existing crack ie. the corner between floor and wall. After apply the first coat reinforce with TOA Fibermesh while wet prior to apply the second coat.
- Apply at least 2 coats, thickness not less than 2 mm.
- For storage tank should be cleaned with water before use.
- For bath rooms, swimming pool can be tiled after the second coat 7 days.
- Mixing tools should be cleaned with water while material is still fresh.
- Keep away from children and avoid contact with eyes

USAGE RATE

: 1.5 - 2.0 kgs / 1 m² / 2 coat

HANDLING AND STORAGE

Storage

: Keep all containers well closed. Store in a dry cool place.

Shelf life

: 12 months when unopened original packing

PACKAGING

: 4 kg./can, 20 kg/bag

HEALTH AND SAFETY

: TOA Floorseal is caustic (cement). Protect skin and eyes from contact with mortar. Wear protective clothing and goggles while working with the product. Should the material enter the eyes, rinse immediately with clean water and seek medical attention.

DISCLAIMER

: 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.