

# Texture Seal Natural

## Product Guide

Texture Seal Natural is a penetrating sealer that can be applied to bush-hammered concrete surface where a natural finish is required. This sealer does not change the appearance or texture of the surface. This sealer forms a cross linked matrix below the concrete surface, minimising the ingress of dirt and surface water into the concrete, making the concrete easier to clean and maintain.

*Applications:*

- Bush hammered concrete surfaces.

*Characteristics:*

- Does not alter the surface appearance or texture.
- Designed and manufactured in New Zealand.
- Can withstand vehicular traffic.
- Easy to apply, and quick drying.

*Limitations:*

- Cannot be used as a waterproofing agent.
- Does not act as a filler – defects must be repaired prior to application.
- While Texture Seal Natural is a penetrating product, as the surface wears the sealer will also wear over time.

This product guide covers the preparation, application, and maintenance of Texture Seal Natural - if there is any question as to the suitability or application of this product please contact supplier. Refer to the SDS for full Health and Safety information.

## 2. Precautions

- Do not seal any concrete under 28 days old.
- Do not apply to concrete surfaces that are not *completely* dry, not just surface dry.
- Do not seal concrete if the concrete temperature (not atmospheric) is below 12°C or above 30°C.
- Do not apply in the middle (hottest part) of the day or in high humidity.
- Do not use as a filler – any cracks, pitting or pinholes must be treated prior to application.

## 3. Test Area

Prior to application of the sealer it is recommended that a test area is undertaken. This test area is to ensure that the sealer adheres correctly to the surface and gives the desired look and finish. It is recommended that test area of 0.5 - 1.0 m<sup>2</sup> is executed according to the following protocol.

- Do the test area in a discrete part of the concrete that will be covered or hidden when the job is complete i.e. on side paths or under any fixtures.

## 4. Preparation

Concrete should be treated as outlined in the Texture Safe Specification prior to application of Texture Seal Natural.

- Concrete should be textured using Abujardar tooling only to the specified texture.

Prior to application it is important to establish that Texture Seal Natural can be applied to the concrete – a test area is recommended prior to full application.

The concrete must be completely dry before applying Texture Seal Natural. If it is uncertain whether the floor is dry, conduct a Plastic Sheet Test (ASTM D4263) to confirm:

- Tape a plastic sheet (45 x 45 cm) onto the concrete surface being tested; ensuring an airtight seal between the concrete and the plastic is formed. After 24 hours remove the plastic sheet. Concrete can be coated if no moisture/condensation is present on the underside face of the sheet, or if concrete has not darkened (compared to adjacent concrete).
  - Use low tack tape to avoid marking the concrete surface.
- If moisture is present, allow to dry and repeat test.

## 5. Equipment

- Bucket or paint tray.
- The sealer can be applied with any of the following:
  - Soft bristle broom: recommended for textured surface and exposed aggregate concrete.
  - Sprayer: HPLV (High pressure, low volume) or airless sprayers that are solvent proof can be used. Some standard pump-up garden sprayers can be used, but solvent typically breaks down working components of the sprayer (i.e. seals and gaskets) so single use only.
    - Nozzle: 20 - 30° fan angle and 10 thousands orifice size with 2,000 psi pressure or equivalent. Adjust nozzle type to suit application.
- Safety Equipment – see section 8. Personal Protective Equipment.

## 6. Application

- Apply in thin coats, avoid poling.
- Apply minimum 2 coats.
- Drying time between coats is typically 2 - 4 hours after application.

### Drying Time:

- Allow 24 hours curing (drying) before use.
- Vehicles can be used on the sealed surface 48 hours after sealing.

### Coverage:

- Approximately 5 – 8 m<sup>2</sup>/L
  - Coverage will vary greatly depending on the porosity and texture of the concrete.

## 7. Removal

Removal of Texture Seal Natural is difficult and can result in damage or alteration of the concrete surface and as such is not recommended. If required the sealer should be removed mechanically by bush hammering the surface again.

## 8. Storage and Handling

**Pack Sizes:** 10 and 20 L units.

**Handling:** Wear suitable protective clothing – see section 11. Personal Protective Equipment.

**Storage:** Store in cool, dry, well ventilated place in original container. Store out of reach of children. Store away from direct sunlight, oxidizing agents (e.g. nitrates), acids, anionic, detergents, and foodstuffs. Keep away from naked flames and other heat sources. Take precautions against static discharge. Ensure container is sealed when not in use and checked regularly for leaks or spills. Do not allow vapours to collect in enclosed spaces. Texture Seal Natural can be stored for up to 12 months.

## 9. Personal Protective Equipment

**Eyes:** Avoid contact with eyes. Use safety glasses and/or chemical splash goggles.

**Skin:** Suitable protective workwear e.g. cotton overalls buttoned at the neck and wrist is recommended. Chemical resistance apron is also recommended where large quantities are handled. Protective gloves are recommended. PVA or Viton/Butyl gloves are recommended. Replace frequently. Gloves should be checked for tears or holes before use. Open cuts abraded, or irritated skin should not be exposed to this material. Rubber safety boots.

**Respiratory:** A respirator is recommended when airborne concentrations approach the Workplace Exposure Standard (WES) – see SDS for more information. Use a respirator with an organic vapour cartridge and a dust/mist filter. If using respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

Refer to the SDS for full Health and Safety information.

## 10. First Aid

**Swallowed:** DO NOT induce vomiting. Give water or milk to drink. Obtain medical attention immediately. For emergency information contact the *National Poisons Centre (0800 764 766)*.

**Eyes:** Immediately flood with copious quantities of water, holding eye open if necessary, for at least 15 minutes. Seek urgent medical attention.

**Skin:** Remove contaminated clothing and shoes and wash skin thoroughly with excess water. If irritation occurs or persists, seek medical attention. Launder clothing and clean shoes before re-use.

**Inhalation:** Remove patient from exposure, keep warm and at rest. If there is respiratory distress, give oxygen and seek immediate medical attention.

## 11. Physical Properties and Identification

<i>Appearance (in pack):</i>	colourless liquid
<i>Appearance (when dry):</i>	does not change appearance of the concrete
<i>Odour:</i>	aromatic 'solvent' odour
<i>Solubility:</i>	not soluble (in water)
<i>UN Number:</i>	1263
<i>HSNO Approval:</i>	n/a
<i>Hazchem code:</i>	3Y
<i>DG Class:</i>	3
<i>Packing Group:</i>	5