

# Datasheet:

## PRODUCT NAME

**Radseal™**

## MANUFACTURER

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## DESCRIPTION

**Radseal™** is a sodium silicate based liquid that penetrates reacts with available calcium to form hard, chemically inert compounds within the concrete pores.

## FUNCTIONS

- Case Hardening
- Dustproofing and Consolidation
- Assists cleaning

## TYPICAL APPLICATIONS

- Car-parks
- Factory Floors
- Warehouses and Storage Facilities
- Driveways

## BENEFITS

- 100% trafficable
- No V.O.C emissions
- Long life
- Non-toxic

## PRODUCT PROPERTIES

Pink, odourless, soapy/slippery feel  
Non-toxic & Biodegradable  
Water based - Clean up with water  
No V.O.C. emissions  
Specific gravity at 25°C 1.2 g/cc  
Solids Content – 21%  
Flash point - no true flash - boils at 101°C  
Auto ignition temperature - N/A Non-explosive  
Hazardous chemicals - Sodium Silicate  
pH - 12.5

## APPLICATION

- Approx. 1ltr per 5 square meters
- One coat required
- Application limits: 3-35°C

## PACKAGING AND STORAGE

**Radseal™** is available ready for use in 20ltr containers and 200ltr drums.  
Indefinite storage life in sealed containers. Ensure container is agitated before use.

## APPLICATION METHOD

Preferably a low pressure spray or alternatively roll, brush or squeegee the solution to saturate the surface.

For new concrete:

i) Apply **Radseal™** immediately following the finishing operation, as soon as the surface is firm enough to walk on, preferably using a low-pressure spray or squeegee. Ensure the whole surface remains wet with **Radseal™** for at least 30 minutes.

ii) As **Radseal™** begins to dry and becomes slippery under foot, lightly mist the surface with water.

iii) As the surface again begins to dry, flush the surface with water then squeegee the surface totally dry to remove any excess **Radseal™**. The surface may need to be brushed to ensure all the excess **Radseal™** is removed.

For old concrete:

i) Saturate the surface with **Radseal™** for at least 30 minutes.

ii) If after 30-40 mins the majority of the **Radseal™** formula is still on the surface, then spread any excess **Radseal™** from low points or puddles over the entire surface to ensure even coverage.

iii) Once it becomes slippery under foot, flush the entire surface with water and squeegee until completely dry.

## PAINTING OR COVERING:

Old concrete: Allow 3-7 days before applying paint or coverings.

New Concrete: Allow 28 days for proper curing.

## PRECAUTIONS

Protect glass, aluminium, wood and painted finishes from contact with **Radseal™**. Avoid spraying on windy days, as overspray will cause damage to paintwork on cars.

## MAINTENANCE

Wash floors with mild detergent or wet mop.

## HEALTH NOTES

Eye Exposure - Severe irritation. Flush with water for 15 minutes.  
Skin - No known ill effects have been noted however it is recommended to wear gloves and boots during application.

## LIMITATIONS

**Radseal™** is not a waterproofing compound. It does not contain any biochemical modifiers to achieve crack sealing or regrowth capacity. To achieve a long-term waterproof result and waterproofing guarantees use **Radcon Formula #7®**.

## FURTHER INFORMATION



## Radcrete Developments Pty Ltd

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Note: The information presented is intended guide only and is correct to the best of our knowledge at the time of publication. It should not be considered as a definitive approval for suitability for a particular purpose. Please contact the manufacturer, distributor or approved applicator for confirmation of suitability