

# Enviro Gel 165

## HIGH PERFORMANCE, HYDROPHILIC INJECTION POLYURETHANE FOAM

**Enviro Gel 165** is a single component high performance hydrophilic injection polyurethane foam. Enviro Gel 165 is a low viscosity hydrophilic polyurethane with high elongation for sealing leaking cracks or joints where movement is possible and structures with continuous moisture exposure. Enviro Gel 165 is most suitable for use in consistently damp or wet environments.

### FEATURES AND BENEFITS

- ④ Hydrophilic for high water stopping properties
- ④ Easy to use, single pack
- ④ Highly flexible for live structures
- ④ Compatibility with most surfaces
- ④ Rapid foam and gel times

### APPLICATION SOLUTIONS

- ④ Tunnels
- ④ Basements
- ④ Water and waste water treatment
- ④ Car parks
- ④ Retaining walls
- ④ Manholes

## Directions for Use

### PREPARATION

Evaluate joint or crack for injection. Drill holes either side of the crack, sloping towards the crack at an angle of approximately 45°, beginning at 120 - 150 mm from the crack. Insert packer at a depth of approximately 100mm. Pre-injection with water is recommended for priming and facilitation of reaction.

### MIXING

Enviro Gel 165 is supplied in one component packaging ready for application.

### APPLICATION

Commence from the widest part of the crack and proceed injecting outwards along the crack in each direction. Turn on pump and slowly increase pressure to a maximum of 30 bar. Stop pumping for every litre injected and allow 1 - 2 minutes for setting. Start and stop injection until the packer will no longer accept material or if the specified pressure has been reached. Move to the next packer and repeat injection process. Continue until crack is full and has been adequately sealed.

Monitor the effectiveness of the work and allow to settle for 2 days before returning to site and completing additional injection if required.

Enviro Gel 165 may be injected into the crack with water at a ratio of 1:1.



REMEDIAL



AUSTRALIAN MADE

## Product Data

### PHYSICAL PROPERTIES

PROPERTY	
Packaging	20kg kit
Mix Ratio	Single component
Viscosity	800cps @ 25°C
Tensile Strength	2.55MPa
Elongation @ Break	400%
Shelf Life	12 months

REACTION TIMES OF ENVIRO GEL 165 WITH 1 TO 3 PARTS WATER : ENVIRO GEL 165 @ 25°C	
Foaming Factor	5°C
Start of Foaming	45 seconds
Gel Time	55 seconds
End of Foaming	200 seconds
Shelf Life	230 seconds



## Contact EnviroSystems

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#### HEALTH & SAFETY ADVICE

Enviro Gel 165 is non-hazardous according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, wear gloves and eye protection. If irritation is experienced seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures.

*NOTE: Safety Data Sheets are available upon request.*

#### KEEP OUT OF REACH OF CHILDREN

#### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use of application and no warranty as to accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

*NOTE: Field service where provided, does not constitute supervisory responsibility. Suggestions made by EnviroSystems either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not EnviroSystems are responsible for carrying out procedures appropriate to a specific*

*NOTE: All products manufactured by EnviroSystems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.*