

Enviro Gel 155

High Performance Injection Polyurethane



DESCRIPTION

Enviro Gel 155 is a moderate viscosity hydrophobic polyurethane formula with high elongation properties for sealing leaking cracks or joints where movement is possible. The Enviro Gel 155 system is comprised of a base resin (Part A) and an accelerator (Part B). The accelerator can be used by experienced applicators to control the reaction time as warranted by the site conditions. Being a hydrophobic formulation, when reacted with minimal amounts of water, the resulting foam will maintain its physical form and not be subject to shrinkage due to wet/dry cycles. When injected into wet cracks, Enviro Gel 155 produces closed cell foam.

FEATURES

- 100% Solids
- No VOC's
- Non-Flammable
- Excellent Adhesion
- Expands to 25 times initial volume
- Pumps as Single Component
- Controllable Reaction Times
- Non-Toxic Permanent Seal

TYPICAL USES

Enviro Gel 155 can be used for sealing joints such as construction joints less than 50mm in concrete slabs, concrete panels, fibre cement sheets, block and brickwork, around window and door frames. Enviro Gel 155 can also be used for;

- Water Related Facilities
- Waste Treatment Plants
- Storm Water Systems
- Parking Garages
- Manhole Facilities

- Concrete Structures
- Earthen Dams
- Elevator Lift Pits
- Concrete Tunnels

PHYSICAL PROPERTIES

Elongation (cured) ASTM-638	300%
Density (cured) ASTM-1622	224kg/m ³
Tensile (cured) ASTM-638	300psi
Toxicity (cured)	Non-toxic
Viscosity (liquid) ASTM D-1638	Part A – 650cps Part B – 25cps
Specific Gravity (liquid) ASTM D-1475	Part A – 1.07 Part B – 0.95
Flash Point (liquid) ASTM D-92	Part A - >121°C Part B - 107°C
Colour	Part A – Pale Yellow Part B – Clear

USE OF ACCELERATOR (PART B)

The reaction profile is adjusted prior to pumping by the addition of the accelerator into the base resin and is affected by temperature and the amount of moisture encountered. At 1.25% the expansion will start in approximately 50 seconds and be complete in approximately 5 minutes.

At 2.5% the expansion will start in approximately 30 seconds and be complete in approximately 3 minutes. Reaction times will vary with temperature and moisture presence. The above reaction times were determined at 25°C.

NOTE: Enviro Gel 155 can be used without the addition of the accelerator.



CLEANING

Cleaning of equipment should be done with Enviro Thinner No. 7. Ensure all hoses and fittings are flushed for several minutes. Dispose correctly and safely of any contaminated fluid and re-flush with clean Enviro Thinner No. 7 ensuring no further injection resin is present.

PACKAGING & COLOURS

Enviro Gel 155 is supplied in a 20kg pail. The accelerator is supplied in a 250gm can.

SHELF LIFE

Enviro Gel 155 can be stored in its original sealed containers for 12 months, when placed in dry and cool conditions. If stored in high temperature and humidity locations, the shelf life may be reduced. Always check product quality before using after prolonged periods of storage. If unsure contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

Enviro Gel 155 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 by emailing customerservice@envirosystems.com.au

We're here to help you!

It is a good idea to keep a journal of your waterproofing job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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