



Enviro Gel 145

Low Viscosity Hydrophobic Polyurethane



DESCRIPTION

Enviro Gel 145 is a low viscosity hydrophobic polyurethane formulation. The system is comprised of a base resin along with an accelerator "B" component. Enviro Gel 145 is typically used to repair cracks or failed joints in concrete structures. The "B" Accelerator is used by the experienced installer to manipulate the reaction profile as warranted by job 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. Enviro Gel 145 produces a closed cell polyurethane grout.

FEATURES

- 100% Solids
- Excellent Adhesion
- Expands up to 30 times initial volume
- Non-Hazardous
- Pumps as single component
- Non-Flammable
- Controllable Reaction Times
- Excellent Resistance and Durability

TYPICAL USES

Enviro Gel 145 can be used for;

- Water Related Facilities
- Waste Treatment Plants
- Storm Water Systems
- Underground Vaults
- Manhole Facilities
- Concrete & Earthen Dams
- Tunnels
- Elevator Pits
- Parking Garages

PHYSICAL PROPERTIES

Viscosity (Liquid)	500 cps
Specific Gravity (Liquid)	1.15
Colour	Amber
Flash Point	>250°F
Density (Cured)	4 lbs/ft ³
Elongation (Cured)	44%
Tensile (Cured)	29psi
Shear (Cured)	17psi
Water Absorption (Cured)	<1%
Toxicity	Non-Toxic

SUBSTRATE PREPARATION

Each crack should be individually evaluated for suitability.

NOTE: The above information should be used as a guide only. Each crack should be gauged individually, and the amount of injection packers used, depth of packers, size of packers should be determined by the applicator.

For further information on substrate preparation or for project specific advice, please consult EnviroSystems.

customerservice@envirosystems.com.au





APPLICATION

For further information regarding application of Enviro Gel 145 or for project specific advice please consult EnviroSystems.

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USE OF ACCELERATOR (PART B)

The reaction profile is adjusted prior to pumping by the addition of Accelerator "B" into the base resin and is affected by temperature and the amount of moisture encountered. At 1.25 % (1/2 pint per five gallons) the expansion will start in about 50 seconds and be complete in about 4 minutes after encountering water. At 2.5 % (1 pint per five gallons) the expansion will start at 15 seconds and be complete at about 65 seconds. These reaction times were determined at 77° F with the addition of 2 ½ % water.

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 145 is supplied in

SHELF LIFE

Enviro Gel 145 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 145 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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environmentally responsible technology

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