PRODUCT DATA SHEET

Enviro Elastoflex

envirosystems
environmentally responsible technology

High Performance Joint Seal

DESCRIPTION

Enviro ElastoFlex is a specially engineered waterproof jointing system that allows for high and irregular movement across construction, expansion and connection joints. When fixed with a suitable adhesive such as Enviro Epoxy EF, Enviro ElastoFlex will ensure a superior seal even when under movement from more than one direction.

FEATURES

- Easy Installation
- Chemical Resistant
- Flexible
- Wide Temperature Range
- Non-Toxic
- Root Resistant
- Excellent Adhesion
- Compatible with most other Envirosystems products

TYPICAL USES

Enviro ElastoFlex is simple to install and can be used for a variety of applications including;

- Cut & Covered Tunnels
- Concrete Walls & Slabs
- Roofs
- Swimming Pools
- Façade Joints
- Carpark Joints
- Culverts
- Bridge Decks
- Planter Boxes
- Basements

PHYSICAL PROPERTIES

Typical Data (Material & Curing Conditions 23°C & 50% R.H.)	
Install Conditions	Conditions materials -30°C – 60°C
Colour	Elastoflex – Light grey Epoxy adhesive - concrete grey
Typical Technical Data for Hypalon Sheet	
Density	1.0 above
Hardness (Shore A)	70 above
Tensile Strength	11 MPA above
Elongation at Break	500% above
Typical Technical Data for Epoxy EF Adhesive	
Mixing Ratio	Component 'A': Component 'B' = 2:1 by volume
Pot Life	Approximately 30 minutes
Tack Free Time	2-3 hours

Australian Designed & Manufactured
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Master Builders Association MEMBER
GREEN ROOFS AUSTRALASIA

SUBSTRATE PREPARATION

Concrete substrates must be clean, dry and free from all loose particles including dust, laitance, grease, coatings, curing compounds and any other foreign matter. The surface can be prepared by way of degreasing, grinding or captive shot blasting to provide an adequate surface profile.

Steel substrates should be fee from all contaminants such as oil, grease, rust and scale. Optimum surface preparation is to grit blasted clean to a bright metal finish.

Prepare substrate either side of joint by suitable means such as sandblasting or grinding to provide an adequate surface for the subsequent Enviro Epoxy EF adhesive. Ensure treatment area is vacuumed clean.

For further information on substrate preparation or for project specific advice, please consult Envirosystems. customerservice@envirosystems.com.au

APPLICATION

It is recommended that Enviro Epoxy EF be used as the adhesive for Enviro ElastoFlex. Please carefully read the product data sheet for Epoxy EF prior to use.

Clean both sides of Enviro ElastoFlex with a damp cloth (water only) and allow to dry.

Using masking tape, cover the joint and either side of where the adhesive will be applied.

Place a suitably sized tape along the center (on the outer facing side) of the Enviro ElastoFlex. Mix Enviro Epoxy EF as per recommendations and apply to either side of the joint. Remove masking tape covering the joint once adhesive is applied.

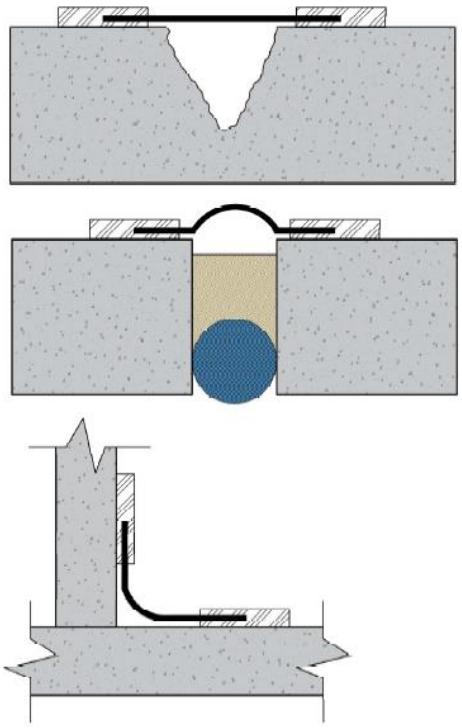
Place Enviro ElastoFlex into the wet adhesive and press in with a suitable roller until adhesive is squeezed out approximately 5mm. Ensure no air is trapped between the adhesive and Enviro ElastoFlex.

Allow the base layer of Epoxy EF to achieve initial set. Apply Enviro Epoxy EF over the installed Enviro ElastoFlex ensuring adequate encapsulation of >1mm and Enviro Epoxy EF extends at least 10mm past the edges.

Once Enviro Epoxy EF is applied and while wet, remove tape from the center of the Enviro ElastoFlex and the masking tape on the outside ensuring a neat and precise detail.

Enviro ElastoFlex pieces can be joined by hot air welding. The join should be cleaned and abraded with sandpaper then activated with a suitable welding solvent prior to joining. The weld should be overlapped by >50mm.

For joints where high movement is expected, ensure the Enviro ElastoFlex is installed with a loop (slack) to accommodate high movement.



For further information regarding application of Enviro Elastoflex or for project specific advice please consult Envirosystems.
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PACKAGING

Enviro ElastoFlex is available in 150mm x 1.5mm x 20m and 250mm x 1.5mm x 20m rolls.

CLEANING

Use Enviro Thinner No.1 to clean all tools and application equipment immediately after use. Cured Enviro Epoxy EF can only be removed mechanically.

SHELF LIFE

Enviro Elastoflex can be stored in its original sealed containers for 12 months, when placed in a cool environment out of direct UV and weather. Maximum storage temperatuce is 45°C. Once opened and resealed for later use, the shelf life could vary depending on storage conditions. Always check product quality before using after prolonged periods of storage. If unsure, please contact Envirosystems for advice.

HEALTH & SAFETY ADVICE

Enviro Elastoflex 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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