

Hydrophobic, polyurethane injection grout



E.MIX ES 137 is a hydrophobic polyurethane with polyether polyols which reacts only with water, producing a semi-flexible polyurethane foam.

PRODUCT BENEFITS



USES

E.MIX ES 137 is used for sealing water ingress, leaking cracks, and joints. It is also suitable for void filling, back grouting and blocking of leakages in diaphragm walls, basements, tunnels, water tanks, sewage plants, reservoirs and dams.

ADVANTAGES

- Non solvent
- Able to react with seawater and mineral water
- Withstand high hydrostatic pressure
- Semi flexible

TECHNICAL DATA & PHYSICAL PROPERTIES

	Part A - Base	Part B - Catalyst
Colour	Brownish Liquid	Clear Liquid
Viscosity @ 25 °C (Brookfield DV 11 sp.2 60rpm)	300 – 400 cps	25 – 35 cps
Density @ 25 °C	1.12	1
Flash Point	> 180 °C	> 180 °C

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

PROCEDURE & APPLICATION



Surface Preparation

Identify cracks or leakages before drilling holes into affecting areas. Drill holes at an angle of 45°, staggered around the crack for good coverage.

Use suitable packers for most effective penetration. Flush the crack with clean water before placing the packer to flush out debris or loose materials.



Application

Insert the packer into the drilled hole and fasten with a wrench or spanner to keep the packer in place.

Mix Part B (catalyst) into Part A (base), the mixing ratio is 1 : 20 respectively. Stir well for approx. 30 seconds. Place the mix into the injection pump.

Reaction time can be adjusted through the amount of catalyst added. The amount of catalyst added can be ranged from 2 – 10% of the base.



CONSUMPTION

Approx. 22 m² per coat application for 22kg set for 1 mm thickness.

LIMITATION

E.MIX ES 137 is not designed to repair cracks and must not be used below 10°C.

CLEANING

All tools and equipment should be cleaned immediately after use.

STORAGE & PACKING

E.MIX ES 137 is available in 22 kg sets (Part A – 20 kg pail and Part B – 2 kg bottle).
Shelf life of 12 months in unopened, tightly sealed original packaging when stored at room temperature between 10 °C – 38 °C, keep dry and away from direct sunlight.

HEALTH & SAFETY

Recommended to wear NIOSH approved or equivalent particulate face mask. Material may irritate eyes and skin. In case of contact with eyes or excessive skin contact, flush immediately with plenty of clean water and seek medical assistance. Keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Mar '21)

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