SOPRAHOSE 13
RE-INJECTABLE HOSE

TECHNICAL DATA SHEET

ANZ-TDS-39-SOPRAHOSE 13 RE-INJECTABLE HOSE

ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

CIVIL WORKS

DESCRIPTION

SOPRAHOSE 13 is a re-injectable injection hose system, used to seal construction joints in concrete structures against water ingress.
SOPRAHOSE 13 is used to carry injection grout materials along the length of the hose and disperse it into the concrete joint via micro-ports along the hose.

SOPRAHOSE 13 is a highly durable, robust, single channel injection hose system, made from specially formulated PVC materials.

SOPRAHOSE 13 can be flushed, which allows the system to be re-injectable for the lifetime of the structure. This is a great advantage if movement or shrinkage occurs between concrete joint faces of the structure.

SOPRAHOSE 13 can be used with Acrylic Gel, Ultrafine Grout (Micro Cements) and PU Resin for SINGLE INJECTION ONLY.

- Fast and easy installation
- Low consumption of grouting material
- Maximum safety features
- Ultimate grouting process performed

FIELD OF APLICATION

SOPRAHOSE 13 can be used vertically and horizontally in the following general applications:

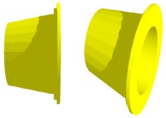
- Basements and below ground structures
- Tunnels and underground vaults
- Water and sewerage tanks
- Pools
- Suspended slabs and roof slabs

PACKAGING

SOPRAHOSE 13 RE-INJECTABLE HOSE					
RE-INJECTABLE HOSE	**CONNECTOR**	**FEEDER HOSE**	**END BOX**	**END CAP**	**HOSE CLIP**
RE-INJECTABLE HOSE is equipped with discharged ports equally spaced over its entire circumference	Plastic hose connector to join the FEEDER HOSE to the RE-INJECTABLE HOSE	Blue inlet and clear outlet FEEDER HOSE to join the END BOX to the RE-INJECTABLE	Collecting box for FEEDER HOSE and RE-INJECTABLE HOSE to allow the connection of the pumping equipment with the injection system	Plastic caps used to close the FEEDER HOSE before and after the injection	HOSE CLIP to ensure that the hoses do not float in the fresh concrete during casting process.
PACKAGING / DIMENSIONS					
120 m	50 units	50 m	58 mm × 10 cm × 10 cm	50 units	100 units
UNIT PER KIT					
30 m	6 units	2 x 1.5 m	3 units	6 units	150 units








SOPREMA®

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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PROPERTIES

PROPERTIES	SOPRAHOSE 13 RE-INJECTABLE HOSE
Composition	PVC
Colour	Red
External diameter	13 mm
Internal diameter	6 mm
Micro-port length	5 mm
Micro-port spacing	15 mm
Micro-port opening pressure	1 bar

SURFACE PREPARATION

The substrate to which **SOPRAHOSE 13** is fixed, should be uniform and free of dirt and debris. Surface irregularities should be removed and surface damage, cracks, holes and depressions should be made good with a suitable repair mortar. Concrete joint surfaces should have a surface finish that is uniform, dense and smooth.

APPLICATION

- **SOPRAHOSE 13** is generally positioned in the middle of the substrate or in a position with a minimum of 100 mm concrete cover from any external edge.
- **SOPRAHOSE 13** must lay flat on the concrete surface with appropriate hose clamps mechanically fixed to the concrete substrate. HOSE CLIP should be spaced at 200 mm centres.
- **SOPRAHOSE 13** END BOX will be installed on the formwork flask with the internal side of the wall or slab
- Coloured PVC FEEDER HOSE is used to connect the **SOPRAHOSE 13** END BOX to the RE-INJECTABLE HOSE in order to deliver the injection resin to the joint.
- The standard installation length of **SOPRAHOSE 13** RE-INJECTABLE HOSE, between END BOX is 10 metres. This will help achieve an ultimate injection process.
- Where the hose ends overlap, a parallel overlap of 150 mm is required, with the two hoses laid parallel to each other with a 30-50 mm gap between the two parallel hoses.
- For improved performance, it is recommended that two rows of **SOPRAHOSE 13** RE-INJECTABLE HOSE are installed where the concrete thickness is greater than 1 meter.

INJECTION PROCEDURE

- The concrete should be cued for a minimum of 28 days prior to the first injection.
- The contractor will identify the correct resin and apply in accordance with the application procedures of the chosen resin.
- Check the continuation of the hose by flushing with water or pressurising with air. The hose is injected via the injection ports until traces of the injected materials are discharged from the vent on the opposite end of the hose.
- The vent end must be closed by installing an injection nipple as soon as the injected material flows freely ensuring no air pockets are trapped in the injection hose.
- The flow of the injection material in the concrete joint can be monitored during the injection process by utilising the injection pump's pressure gauge.
- Continue the injection process until a constant pressure has been reached. The achievement of a constant pressure indicates the concrete joint is unable to absorb any further injection material, therefore signalling the end of the injection process.
- Injection material left within the injection hose is simply flushed out with clean water. Minimal pressure is required, and it is simple and easy to achieve. On completion of the flushing process, the injection hose is ready for future reinjections, if required.
- With correctly designed and well compacted concrete, a typical construction joint of 250 mm section will receive approximately 0.25-0.5 litres of resin per linear metre of hose.

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CLEANING

- Clean the pump and equipment as directed by the data sheet of the resin used.

LIMITATIONS

- Do not apply **SOPRAHOSE 13** over contaminated substrates.
- Not compatible with solvent based materials, e.g. solvents, adhesives, sealants or coatings. **SOPRAHOSE 13** RE-INJECTABLE HOSE must never be flushed with solvents such as xylene, MEK or toluene. Only water may be used to flush **SOPRAHOSE 13**.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

STORAGE AND HANDLING

Store the hose and ancillaries in dry conditions, not in contact with sunlight and protected from mechanical damage. If these conditions are maintained the product has a shelf life of 5 years.

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 or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use. Field service where provided does not constitute supervisory responsibility.

Suggestions made by SOPREMA either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not SOPREMA, are responsible for carrying out procedures appropriate to a specific application.