

CEM 19 Injection Tube

Product Information Page

CEM 19 Injection Tube System is a PVC based injection tube, which is installed in the construction joints of a concrete structure at the construction stage, this allows the joints to be injected with a resins or cements at a later stage if required

CEM 19 Injection Tube System consists of the following items:

- A single-wall, PVC smooth tube, with slightly cone-shaped openings
- Plastic injection-port boxes
- Injection Hose
- Ventilation Hose
- Injection Piece (port and nipple)
- Hose cap
- Fixing Clips

Specification Tip for Design Professionals:

CEM 19 Injection Tube System may be specified by name or by using the following description: a single-wall, smooth, blue coloured PVC tube, with slightly cone-shaped openings which prevent the cement paste from the concrete entering the installed tube.

How does CEM 19 Injection Tube System work:

The CEM 19 Injection Tube is installed in the construction joints of a concrete structure at the construction stage, this allows the joints to be injected with resins or fine-cements at a later stage if required.

The hose CEM 19 Injection Tube has 5mm openings spaced every 12mm-14mm, this allows for easy injection of materials.

The injection material is pumped into the hose through the Injection Pieces that are in the Injection Port Boxes. The openings on the CEM 19 Injection Tube are slightly cone shaped preventing the cement paste from the concrete entering the tube.



Fields of application:

- ✓ Suitable for use in both vertical and horizontal construction joints
- ✓ Manufacturing process to DIN ISO 9001
- ✓ Unique design prevents the fresh concrete paste from entering the system
- ✓ Suitable for above-ground and below-ground use
- ✓ Circular tube – no unwanted twisting
- ✓ Smooth surface on the tube to prevent bonding between the tube and the concrete
- ✓ Easy to install

SURFASOLOGY

E: info@surfalogy.com

T: 01 832 1005

W: surfalogy.ie



How do I prepare the surface before applying CEM 19 Injection Tube System:

The surface onto which CEM 19 Injection Tube is to be placed should be clean and flat.

The CEM 19 Injection Tube should be cut into lengths that are <10m.

A suitable length of red coloured Injection Hose should be secured to one end of the CEM 19 Injection Tube, and a suitable length of clear Ventilation Hose should be secured to the other end of the CEM 19 Injection Tube.

Both of these hoses should be of sufficient length, so that they will extend into Injection Port Boxes which will be located where they may be accessible in the future.

A Yellow Hose Cap is fixed to the ends of the hoses, until such time as the Injection Pieces are to be installed and the injection of materials is to commence.

The CEM 19 Injection Tube should be secured tightly into position using Fixing Clips placed at 15cm centres.

Important: Injection of Materials Method Statements provided must be followed and operatives that are fully trained and familiar with the injection equipment should be used. For further information please contact our Technical Department.

TECHNICAL DATA:	
Working material	PVC
Colour	Blue
Inner tube diameter	11mm
Outside diameter of the tube	19mm
Materials that may be injected	PU / EP Resins, Acrylates, Gels, Micro-fine Cements
Maximum length for installing tube	10m * Please consult our Technical Department for advise.
Perforations/slots in inner hose	5mm perforations/slots every 12mm-14mm
Storage	Clean, dry and shaded from sunshine in temperatures >5°C
Shelf Life	5 years when stored correctly

Please protect the environment: Dispose of waste in accordance with the local authority regulations.

Disclaimer:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine themselves what products are suitable for use. Accordingly, no liability will be accepted by IBC Limited t/a SURFASOLOGY™.

For further information contact the SURFASOLOGY™ Technical Department.

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Our products are all manufactured in ISO Quality System compliant facilities and meet the relevant local, National, & European standards. **SURFASOLOGY** network members manufacture products exclusively in Germany, Switzerland, Spain, Greece and the UK. We support these products in local markets with highly-qualified technical professionals, who understand both on-site demands and the design detail. We work in a collaborative way with our clients at all stages of the project to ensure that the correct design, preparation, and application are carried out to ensure a timely and successful outcome for all stakeholders.

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SURFASOLOGY

Unit 143, Grange Drive,
Baldoyle Industrial Estate,
Dublin 13, D13 W9V2,
Ireland

E: info@surfalogy.com

T: 01 832 1005

W: surfalogy.ie

