

Durvinil® sleeved grouting pipes



Durvinil® Sleeved Port Pipes used to perform injections of cement based mixtures in soil consolidation and waterproofing; they are essentials in the excavation of tunnels, construction of dams and the reduction of the settlement in urban areas

Durvinil® Pipe

Density, UNI EN ISO 1183-1: $1.5 \pm 0.1 \text{ g/cm}^3$
Tensile Strength, UNI EN ISO 527: $>30 \text{ MPa}$
Elastic modulus, UNI EN ISO 527: $>2500 \text{ MPa}$

Dur-O-Ring Manchette

Thermoplastic vulcanized elastomer with excellent flex fatigue resistance, compression set $< 30\%$ (22 hr @ 70°C), black color
Nominal length: 80 mm, Nominal thickness: 2 mm

DURVINIL® SLEEVED GROUTING PIPES

The **DURVINIL® sleeved TAM pipe** is manufactured with rigid PVC. It has a smooth internal surface and spaced perforations (standard sleeve spacing is 330 mm or 500mm). These perforations are covered by “flush” or “external” DUR-O-RING® rubber sleeves, also called "manchette", which act as non-return valves.

The pipes are delivered in standard lengths of 3 or 5 meters. Both extremities are threaded and by means of external ABS connection couplings, they can be connected to each other to reach the total length required.

NOMINAL DIAMETER	INNER/OUTER DIAMETER	SLEEVE TYPE	PACKER
1"	27/34 mm	External	SIREG Spring 27
1"1/8	28/38 mm	External	SIREG Rigid 28
1"1/2	40/48 mm	External	SIREG Hydraulic 30
1"1/2 ^f	40/50 mm	Flush	SIREG Hydraulic 30
2"	50/60 mm	External	SIREG Hydraulic 42
2"	50/60 mm	Flush	SIREG Hydraulic 42

DURVINIL® REINFORCED SERIES sleeved grouting pipes are manufactured with a special shock resistant PVC with extra wall thickness and sealing gasket. These pipes have higher bursting pressure and are recommended to be used with **preventer** or **HDD** applications.

NOMINAL DIAMETER	INNER/OUTER DIAMETER	SLEEVE TYPE	PACKER
1"1/2	40/55 mm	Flush	SIREG Hydraulic 30
2"1/2	55/75 mm	Flush	SIREG Hydraulic 42

In case of specific needs, DURVINIL® grouting pipes can be ordered with different sleeve's spacing, reinforced Alu-Coupling and in custom lengths.

GROUND ANCHOR TAM PIPE

1" DURVINIL® grouting pipes can be made using a special shockproof PVC which enables the sleeved pipes to be more flexible. This product is used with pre-assembled strand anchors to perform selective and repetitive injections in the bonded section around the anchor's bulb.



NOMINAL DIAMETER	INNER/OUTER DIAMETER	SLEEVE TYPE	PACKER
1"	27/34 mm	External	SIREG Spring 27




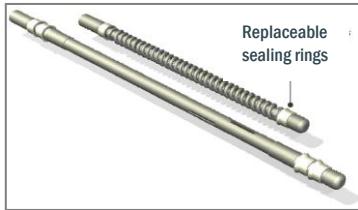


GROUND ANCHOR GROUTING HOSE

DUROTENE® small diameter grouting pipes are used to perform injections of cement mixtures and resins in post grouting application with strand or rebar anchor. They could be used also in soil consolidation and waterproofing without the packers. They are supplied in bars or rolls, with external manchette, couplers and plugs.



NOMINAL DIAMETER	INNER/OUTER DIAMETER	SLEEVE TYPE	PACKER
3/8"	12/16 mm	External	NO
1/2"	17/20 mm	External	NO

ACCESSORIES:

 <p>Grouting Hose to connect the injector to the packer</p>	 <p>Obturator Bag MPSP Technique</p>	 <p>Reel with injection trestle</p>
 <p>Sliding Double Ring Packer Rigid or Spring</p>	 <p>Hydraulic Packer with water pump and fittings</p>	 <p>Plastic Centers</p>

For further details or technical assistance, please contact us at info@sireg.it. Version-2 Feb 2020