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A VORTEX COMPANY

I&I GUARD™-SSF

SOIL STABILIZING FOAM

TECHNICAL DATA SHEET

Rev. 05-2019



**REPAIR
MATERIALS**

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Typical Performance Characteristics

ADVANTAGES

- Low Viscosity
- No agitation necessary
- High Strength
- Hydro insensitive
- Quick return to service
- Environmentally safe

MEETS THESE CONDITIONS:

Compressive	
ASTM 1621-16	70.5 psi
Tensile	
ASTM D638-14	78 psi
Density	
ASTM D 1622/1622M-14	3.5 pcf

PHYSICAL PROPERTIES

VOC content	0%
Color	Amber
Specific gravity	1.06 B side, 1.23 A side
Expansion	14-16 times
Reaction time	10 s
Full rise time	60 s
Full strength	15 minutes

MIX RATIO

1 to 1 by volume

PACKAGING

10 gallon unit, 100 gallon units

18150 Imperial Valley Drive
Houston, TX 77060
vortexcompanies.com

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FOR HIGH FLOW LEAKAGE

DESCRIPTION

I&I Guard™ is a high density, high strength, structural two-part polyurethane grout. This closed cell polyurethane's low viscosity and hydro insensitive nature allows for permeation filling voids, undersealing concrete, and stabilizing soil while also mitigating inflow and infiltration.

APPLICATION INFORMATION

Soil stabilization, releveling concrete slabs, filling voids, sinkhole remediation, and other various types of geotechnical grouting.

DIRECTIONS

1. Insert probes in grid pattern to area of desired application.
2. Begin injecting into first probe avoiding over pressuring while taking note of volumes used and travel of foam.
3. Make sure material is not exiting or penetrating other probes while taking into consideration volume to vertical distance ratio estimation.
4. Purge injection gun frequently to avoid the material curing within the gun.
5. Clean injection gun thoroughly after use.

SAFETY

Always use safety glasses and protective clothing including gloves when using this product to avoid contact with skin and eyes. Before use review respective Safety Data Sheet.

STORAGE

Store between 50°F and 80°F.

DISPOSAL

Dispose of cartridge in adherence with local regulations.