



TECHNICAL DATA SHEET

AV-105 GEL GUARD™

FREEZING POINT REDUCER

DESCRIPTION

AV-105 Gel Guard™ is designed to reduce the freezing point of Avanti's chemically activated and hydrophilic urethane gel systems.

APPLICATION

- Use as a freezing point reducer for cold weather applications

FEATURES AND BENEFITS

- Adding 10% can lower freezing temperatures by as much as 9°F/5°C
- Easily added to chemical grout solution

HOW IT WORKS

AV-105 may be added to each tank of the chemically activated gel systems or water tank only for hydrophilic urethane gel systems. Refer to the technical data sheet.

ADDITIVE FOR

- AV-100® Chemical Grout
- AV-118® Duriflex
- AV-254 Gelseal™ (add to water-side only)
- AV-350 Multigel™ (add to water-side only)

PACKAGING

Product packaged by weight:

	Net Wt.
Pail	46 lbs. (20.8 kg)
Drum	510 lbs. (231.3 kg)

SHIPPING

- Motor Class 65
- Non-Hazardous
- Air freight available

PROPERTIES*

Appearance:	Clear liquid
Viscosity:	15 – 20 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.115 @ 72°F (22°C) ± 3%
Weight:	9.28 lbs./gal ± 3% (1.119 kg/L ± 3%)

*Laboratory Results

MIX PROCEDURE

When mixing a 60-gallon batch of **AV-100** or **AV-118**, add up to 2.7 gallons (10.2 L) to both the grout side tank (Tank A) and the catalyst side tank (Tank B) for a 10% **AV-105** concentration. If mixing with **AV-254** or **AV-350**, add 10% of the volume of the water being used to water side tank only. Applying chemistries in temperatures below 40°F (5°C) is not recommended. Refer to the product Technical Manual to see mixing instructions for specific gel product.

CLEANING PRODUCTS

Use water with light detergent.

STORAGE

Store in a tightly closed container in a cool, ventilated, dry atmosphere.

SAFETY

Always use OSHA-approved personal protective equipment (PPE). Refer to the SDS for complete safety precautions. The SDS is available by request or via download at avantigrout.com.

Freezing Point			
AV-105	10%	20%	30%
20% AV-100 mixed with 2% AV-101	12°F (-11°C)	-3°F (-19°C)	-26°F (-32°C)
2% AV-102 Solution	19°F (-7°C)	10°F (-12°C)	-5°F (-20°C)
Water	26°F (-3°C)	18°F (-8°C)	7°F (-14°C)

NOTICE

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