



AV-640 SURELIFT (Fast)TM

LIFTING FOAM

DESCRIPTION

AV-640 SureLift (Fast) is a dual component, HFC 245fa blown, all PMDI-based, pour-in-place urethane foam system engineered for concrete lifting, soil strengthening, and void filling in wet soil conditions. **AV-640** SureLift (Fast)'s low viscosity design (Part A and B combined) allows the material to be blended together using typical mix machines or hand mixer.

APPLICATION

- Lifts concrete slabs
- Fills voids

FEATURES AND BENEFITS

- Expands 1,500% – 2,000%
- Good performance in wet environments
- Solvent-free system
- Low viscosity
- Increased compressive strength

HOW IT WORKS

AV-640 SureLift (Fast) is a dual component resin which reacts as a 1:1 mix ratio. The use of a Gusmer/Graco 20/35 system with a GX-7 gun is recommended. **AV-640** SureLift (Fast) should be mixed by pour machines designed to mix urethane chemicals.

PACKAGING

- Product packaged by weight based on specific gravity.
- Tote Kit = Net Wt. 2,585 lbs. (A), 2,230 lbs. (B) / Volume ~500 gal.
 - Drum Kit = Net Wt. 517 lbs. (A), 445 lbs. (B) / Volume ~100 gal.
 - Pail Kit = Net Wt. 44 lbs. (A), 38 lbs. (B) / Volume ~8.5 gal.

SHIPPING

- Motor Class 55
- Non-Hazardous
- Air freight available

CLEANING PRODUCTS

- **AV-208** Technical Grade AcetoneTM (CAS# 67-64-1) – removes moisture from equipment
- **AV-284** Pump WashTM (Proprietary Blend) – removes uncured resin from pump and hose
- **AV-222** CleanerTM (Proprietary Blend) – removes cured resin from equipment

PROPERTIES*

TYPICAL REACTION PROPERTIES

	Hand Mix @ 72°F	Machine Mix @ 120°F
Cream Time (sec):	20	7
Gel Time (sec):	47	
Tack Free Time (sec):	51	14
Rise Time (sec):	90	15
Density (FRC):	4 pcf	3-4 pcf

TYPICAL PHYSICAL PROPERTIES

Appearance:	Opaque black/brown liquid
Restrained Core Density:	5.5 pcf
Viscosity (Part A):	475 cP
Viscosity (Part B):	200 cP
Shelf Life:	6 months
Compressive Strength:	90 psi
Tensile Strength:	110 psi
Closed Cell Content:	> 94%
Water Absorption, ASTM D2842:	≤ 0.04 lbs./sq. ft.
Resistance to Solvents:	Excellent
Resistance to Mold and Mildew:	Excellent
Maximum Service Temperature:	200°F (93°C)

*Laboratory Results

MIX PROCEDURE

Mix 1:1 by volume.

PERFORMANCE

Performance will be influenced by atmospheric conditions.

STORAGE

Store in temperatures between 65°F – 85°F (18°C – 29°C) in a dry atmosphere out of direct sunlight. Keep containers tightly closed.

SAFETY

Use caution in removing bungs from the containers. Loosen the small bung first and let any built up gas purge before completely removing. Refer to the SDS for complete safety precautions. The SDS is available by request or via download at AvantiGrout.com.

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