



TECHNICAL DATA SHEET

AV-200 DURA-SET™

POLYURETHANE ELASTOMER

DESCRIPTION

AV-200 Dura-Set is a versatile, dual component liquid polyurethane elastomeric grout that can be injected, sprayed or troweled onto a surface. Combining strength and flexibility with excellent chemical resistance, **AV-200** creates a pliable rubber that is unaffected by water, wet/dry cycles, or UV rays.

APPLICATION

- Fills cracks and joints
- Prevents leaks in concrete
- Can be used as a surface coating or waterproofing material
- Rubber gasket

FEATURES AND BENEFITS

- Custom colors except white
- Solvent-free system
- Combines strength and flexibility in a trowelable product
- Endures wet/dry cycles without effecting cured product
- Four-minute trowel and 34-minute injectable versions available

HOW IT WORKS

AV-200 is dual component resin which reacts in a 1:1 ratio to form a resilient and durable elastomer.

PACKAGING

- 1 gallon (3.8 L) kit or 5 gallon kit (19 L)

SHIPPING

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

CLEANING PRODUCTS

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

STORAGE

Store in temperatures within or near 45°F – 95°F (7°C – 35°C) in a dry atmosphere.

PROPERTIES*

UNCURED – Part A

Appearance:	Amber resin
Viscosity:	1500 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.07 @ 72°F (22°C) ± 3%
Weight:	8.91 lbs./gal ± 3% (1.068 kg/L ± 3%)

UNCURED – Part B

Appearance:	Light colored liquid
Viscosity:	1420 cP @ 72°F (22°C)
Flash Point:	>200°F (>93°C)
Specific Gravity:	1.001 @ 72°F (22°C) ± 3%
Weight:	8.33 lbs./gal ± 3% (1.000 kg/L ± 3%)

CURED

Appearance:	Color varies
Tensile Strength:	1700 psi (11.7 MPa)
Elongation:	480%
Modulus (100%):	437 psi (3013 kPa)
Modulus (200%):	675 psi (4654 kPa)
Modulus (300%):	960 psi (6619 kPa)
Hardness:	65 Shore A
Tear Strength:	375 lbs./in. (2585 kPa)
Toxicity:	Non-toxic

*Laboratory Results

MIX PROCEDURE

AV-200 Dura-Set must be applied to a dry surface. Mix ratio is 1:1 (Part A to Part B). Standard version creates a durable rubber in approximately 30 – 45 minutes. Trowel version creams in 3 – 4 minutes, and is workable for 30 minutes. Both fully set after 24 hours.

PERFORMANCE

Flush equipment with **AV-208** before and after use to remove moisture and clean equipment. **AV-201** Primer™ recommended for use with **AV-200** Dura-Set. Performance will be influenced by atmospheric conditions. If site temperatures are low, heat the product to recommended operating temperatures of 60°F – 100°F (16°C – 38°C). Do not use open flame as heat source.

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.

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