

Tracer Dyes

Dyes for Injection Grout Tracking

Description

Tracer dyes are used extensively with Avanti's gel systems to track the paths of the grout. Available in blue, green, red, and yellow.

Application

- For use in conjunction with AV-100, AV-118, AV-150, AV-160, AV-170, and AV-254
- Assists in monitoring permeation of the soil or rock formation
- Determines permeability of soil or rock formation to be treated
- Used for leak detection in mainlines, sewers, manholes, during curtain grouting using water as a carrier

Features & Benefits

- Available in powder or tablet form
- May use primary colors to create secondary colors to ensure the equipment is functioning properly and the product is permeating well
- Does not affect product performance
- Use a small amount (6 – 10 grams of powder) in a gallon of water and replace a gallon of water from initial mixing instructions with dye solution
- One tablet can be used per 30-gallon tank
- Tablets available for easier use and application
- Cured gels containing tracer dyes from a tablet can be viewed under UV light

How It Works

Tracer Dyes are used to trace the product permeation in the soil or rock formation. Adding the recommended amount of yellow dye to the catalyst tank and adding the recommended amount of blue dye to the grout tank will generate a green color when the products are mixing correctly. Colors generated using tablets are visible under UV light. Note: Not all dyes are the same. Some dyes may contain trace amounts of metals that can negatively affect the grout.

Packaging

- Powder – 1 lb. (0.45 kg) container
- Tablets – Ea.

Physical Properties*

BLUE	
Appearance	Dark Blue
Solubility	Soluble
Odor	None
Molecular Formula	C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃
Molecular Weight	792.84
GREEN	
Appearance	Dark Green
Solubility	0.2 g/L @ 72°F (22°C)
Odor	None
Molecular Formula	C ₁₄ H ₈ O ₂
Molecular Weight	208.21
RED	
Appearance	Red
Solubility	15.0 g/L @ 72°F (22°C)
Odor	Mild
Molecular Formula	C ₂₈ H ₃₁ N ₂ O ₃ Cl



AVANTI
Stop leaks. Stabilize soil.
Control groundwater. **Permanently.**

TECHNICAL DATA SHEET

Molecular Weight	478.5
YELLOW	
Appearance	Yellow/Orange
Solubility	Soluble
Odor	None
Molecular Formula	C ₂₀ H ₁₂ O ₅ Na
Molecular Weight	355.30

** Laboratory results*

Mix Procedure

Add 6 – 10 grams of dye powder to one gallon (3.8 L) warm to hot water and mix thoroughly. Replace one gallon (3.8 L) in initial mix with dye solution. For tablets, add one tablet per 30-gallon tank.

Performance

Performance is dependent on the amount used. Perform cup tests to determine desired hue.

Cleaning

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.

Shipping – Motor and Air Freight available

- Non-Hazardous

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