

# EPOXY GROUT

**Question: What is Epoxy Grout?**

Epoxy grout is a grout system employing epoxy resin and hardener portions, often containing coarse silica filler. This is especially formulated for stain and chemical resistance. These grouts provide high bond strength and impact resistance. They are great for commercial kitchens and showers and are specified in ANSI 108.6 and ANSI 118.3. Heavy commercial and industrial epoxy grouts are specified in ANSI 118.5.

Epoxy grouts have been around for many years. Historically they were difficult work with, but as the technology has advanced, they have become stronger and easier to install. When installed correctly these materials perform at a high level.

**Upside**

- Stainproof/Waterproof
- Uniform Color
- Durability
- Strength

**Downside**

- Expensive
- Harder to Spread
- Grout Haze
- Low Grout Joints

**Light Commercial/Residential**

Most all installations can use the ANSI 118.3 epoxy grout.

**Heavy Commercial/Industrial**

For heavy use specific areas can use the ANSI 118.5 epoxy grout.  
*Ex. Commercial Kitchens, Dairies, Laboratories*



**TERMS TO KNOW**

**Epoxy Grout:** A grout system employing epoxy resin and hardener portions, often containing coarse silica filler, especially formulated for industrial and commercial installations where chemical resistance is important.



**Nerdy Stuff**

Property	Epoxy Grout
Linear Shrinkage	Less than 0.10%
Water Absorption	Less than 5%
Compressive Strength	12,000 psi. min.
Tensile Strength	300 psi. min.
Flexural Strength	850 psi. min.

**Final Thoughts**

The new technology for epoxy grouts have made me a believer. High-Performance grouts are still my favorite multi-purpose grout, the new epoxies have their place. I would always suggest for: Showers, Backsplashes and Pools. The benefits in these areas outweigh the extra cost.

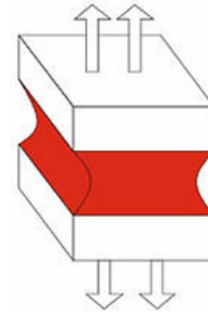
**We Stock:**

Laticrete's SpectraLock 1 is not chemically an epoxy it exceeds all the qualifications of ANSI 118.3. This new technology allows the benefits of epoxy with ease of a Pre-Mixed grout.

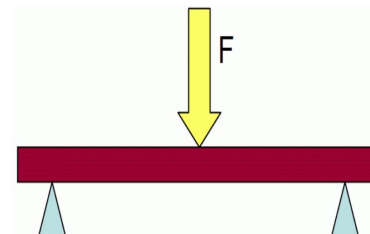
**Benefits:**

- Unopened shelf life of 18 months
- Opened shelf life of 6 months
- No mixing
- Almost STAINPROOF
- Color consistency
- Ease of installation
- No resin irritation

**(1) Tensile Strength**



**(2) Flexural Strength**



**Laticrete SpectraLock 1**



**TERMS TO KNOW**

- 1. Tensile Strength:** the resistance of a material before breaking under tension.
- 2. Flexural Strength:** the maximum bending stress that can be applied to a material before it yields. The most common way of obtaining the flexural strength of a material is by employing a transverse bending test using a three-point flexural test technique.