

# FIBERSTONE™ RESIN DIE STONE



## Type IV Die Stone

- Reinforcing fibers
- Inhibits cracks
- Reduces breakage and chipping
- Reduces pins
- Fewer repours

With its trailblazing reinforcing fibers, Patent: #US-20220313403-A1, Type IV die stone inhibits the generation and expansion of cracks in the model, reducing breakage and chipping during model manipulation and cutting. FiberStone resin die stone can reduce the number of pins required during the model building, requiring fewer repours.

In dental lab trials, FiberStone resin die stone was reported to have approximately 50% less model breakage, which resulted in fewer repours and requiring less pins than standard dental stones without reinforcing fibers.

## Typical Material Properties\*

Type	IV
Color	Golden Brown
Water/Powder Ratio	19/100
Set Time	10½ minutes
Set Expansion	0.066%
Compressive Strength (at 1 hour)	>6,000 psi

\*These results are based on the testing methods, frequency and procedures of Ransom & Randolph. The levels referenced herein are only for general guidance and do not constitute a firm specification.

## Application Instructions

### Manual Mixing

1. Add 100 g of powder to 19 ml of water.
2. Allow powder to soak in water for 20 seconds.
3. Hand spatulate at 120 rpm for 60 seconds.

### Mechanical Mixing

1. Add 100 g of powder to 19 ml of water.
2. Allow powder to soak in water for 20 seconds.
3. Mechanically mix for 20 to 30 seconds at 400 rpm.

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