

TUFF-STONE™ DIE STONE



Type IV Dental Stone

A superior, extra-high compressive strength dental stone, specifically designed for dies, denture models, opposing models and crown and bridge (C&B) bases. Ideal for applications that require controlled expansion, detailed reproduction, consistency and high chip resistance.

Available colors: Golden brown

Typical Material Properties*

Type	IV
Color	Golden brown
Water/Powder Ratio	19/100
Set Time	10 - 13 minutes
Set Expansion	≤ 0.13%
Compressive Strength (at 1 hour)	8,000 psi
Ultimate Compressive Strength	19,500 psi

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. 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.

Storage

Gypsum materials are subject to deterioration when exposed to the atmosphere. Store this product at 59-86°F (15-30°C). Keep container tightly closed once seal is broken to protect contents from moisture and high humidity

Safety

Danger. Contains crystalline silica. May cause cancer inhalation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. If feeling unwell, get medical advice/attention. See SDS for more information.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or



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