

## HandiMix™ (Whip Mix Corporation) (Project #06-019) (10/07)



HandiMix™ is a specialty gypsum stone marketed by Whip Mix Corporation that does not require vacuum mixing. HandiMix casts can be used for study casts, denture repairs, and for fabricating custom trays, mouth guards, orthodontic appliances, and provisional restorations. Whip Mix claims that HandiMix™ meets ADA Type 5 die stone specifications but is not recommended for crown and bridge master models. HandiMix™ is advertised as setting faster than conventional dental stone, with models being ready to separate from impression materials in ten minutes. The activator liquid in the sealed pouch is said to be stable against freezing temperatures, while the pre-measured powder/liquid ratio provides a set stone with consistent physical properties. Clean up is easy because the disposable pre-measured packets of liquid activator and jars of powder eliminate the need for mixing bowls and mixing equipment.



### Manufacturer:

Whip Mix Corporation  
361 Farmington Avenue  
P.O. Box 17183  
Louisville, KY 40217  
(800) 626-5651  
(502) 637-1451  
(502) 634-4512 FAX  
[www.whipmix.com](http://www.whipmix.com)

### Suggested Retail Price:

\$29.95 HandiMix™ Specialty Stone (#31780) contains:  
-Twenty 120 g Jars of Powder  
-Twenty 30 mL Packets of Activator Liquid  
(Shipping and Handling Extra)

### Government Price:

\$28.61 HandiMix™ Specialty Stone (item number and contents as listed above)  
(Shipping and Handling Included)

### ADVANTAGES:

- + Outstanding potential as an expeditionary dental gypsum product
- + Consistent, simple, and dependable preparation of material
- + Preparation does not require additional laboratory equipment
- + Simulated environmental storage conditions does not impair physical properties
- + Less risk of clogging plumbing compared to using plaster products
- + Predictable, fast-set stone for specialty purposes

### DISADVANTAGES:

- Requires Activator Liquid for optimal physical properties
- More expensive than traditional gypsum products

### SUMMARY AND CONCLUSIONS:

HandiMix™ is a Type 5 specialty gypsum stone that is suitable for a variety of uses including custom trays, mouth guards, study casts, orthodontic appliances, provisional restorations, and denture repair. However, it is not recommended for crown and bridge master models. The preparation requires no additional equipment, and simply consists of adding the Activator Liquid packet contents to the jar of powder and hand shaking for 20 seconds. HandiMix™ was found to have acceptable physical properties for its intended use and represents a faster-setting product as compared to conventional products. The fast-set nature may require a steeper learning curve for some users. Simulated environmental storage conditions did not negatively affect HandiMix's physical properties. Clinical users were very enthusiastic about its simplified preparation method and cited its significant potential for use in expeditionary settings. For these reasons, HandiMix™ has **Outstanding** expeditionary use potential. While the additional cost of HandiMix™ may preclude its frequent use in regular laboratory practice, HandiMix™ provides a predictable, fast-setting stone for urgent specialty situations and under these circumstances **HandiMix™** is rated **Outstanding** for use in US Air Force Dental facilities.