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# CORE HARDENER 2000™ BINDER

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Core Hardener 2000 binder is a water-based colloidal silica binder used to strengthen the ceramic shell in small holes, slots, and hard-to-reach openings. It helps prevent metal penetration by strengthening the shell; which is usually thin in these areas.

Core Hardener 2000 binder is easy-to-use and can also be utilized to strengthen R&R's ferrous (50/50 Core Mix and C-1 Core Mix) and non-ferrous (910 investment) core materials.

## Application Recommendations

1. Apply primary coat of slurry and stucco. Dry in usual manner.
2. Apply Core Hardener 2000 binder by dipping, syringe or spraying. Allow to dry completely.
3. Apply Core Hardener 2000 binder instead of usual pre-wet and drain well.
4. Apply second coat of slurry and stucco. Dry in usual manner.
5. Repeat step 2.
6. Repeat step 3.
7. Continue with the third and subsequent coats and dry in usual manner without further use of Core Hardener 2000 binder.

## Storage & Handling

Keep from freezing. Core Hardener 2000 binder must be maintained above 35°F (2°C) to prevent the material from precipitating irreversibly and making the product unsuitable for use. Binder stored in transparent or translucent containers should be sheltered from direct sunlight. Shelf life is 1 year from date (MMDDYY) in batch lot number on label. Rotate stock to maximize shelf life.

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