

SuspendaSlurry® Materials



SUSPENDASLURRY
material
After Sitting
For Three Weeks

Ready-to-Use Ceramic Shell Slurry

SUSPENDASLURRY materials were developed to eliminate costs associated with continuous mixing and to simplify the initial mixing process as the pre-mixed, chemically suspended ceramic shell slurry eliminates the need to weigh and mix binder and refractory components.

Simplify Slurry Make-Up

SUSPENDASLURRY materials are pre-mixed when they leave the R&R manufacturing facility. The risk of operator error in adding the proper amounts of flour to a binder is eliminated, as are the labor time and costs associated with this step of the process. A standard slurry can take a day or more to wet-out before dipping can start. SUSPENDASLURRY materials can be remixed in minutes, often by hand, and used immediately upon opening.

- Reduce expense and equipment maintenance - no propeller mixers required to wet-out refractory.
- Reduce labor costs associated with weighing and mixing flour and binder components.
- Eliminate time wasted waiting for a slurry to wet-out.



Standard Primary
Slurry
After Sitting
For 24 Hours

Eliminate Continuous Slurry Mixing

Many foundries experience the costly loss of slurries when electric supply fails over a weekend. Others have experienced the loss of teardrop tanks and slurries when the propeller mixer moves off-center and cuts through the tank wall or when the propeller and shaft uncouple from the motor while the foundry is closed. SUSPENDASLURRY materials are formulated to maintain suspension for months without mixing; allowing the foundry to turn off mixers and tanks entirely - eliminating the risk of slurry loss due to uncontrollable, off-hour failures.

- Save electricity and lower costs by turning tanks off when not in use.
- Eliminate the risk of slurry loss and costly replacement due to electrical failure or a damaged tank.

Simplify Slurry Maintenance

Slurry maintenance is simplified for the operator. Slurry viscosity is the only test parameter required to control the slurry. If viscosity is too high, a simple water adjustment will bring the slurry back into control. Placing a tight sealing lid on the slurry tank after dipping helps preserve water in the slurry so additions are required less frequently.

- Reduce labor costs and time associated with intensive slurry testing.

PRODUCT DATA SHEET



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Issue Date: 051717 / Replaces: 022417

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SuspendaSlurry® Materials



Proven Casting Performance

SUSPENDASLURRY materials are based on R&R's leading primary binder technology. This allows casters added benefits over standard colloidal silica shells. The primary coats of SUSPENDASLURRY materials will result in stronger layers, reducing the potential for buckling, lifting or cracking defects. The slurry will flow, coat and drain in a fluid manner, eliminating any need for manual wax pattern application. SUSPENDASLURRY materials also contain a color indicator. When the shell changes from yellow to orange, the shell is ready for another dip.

Choosing the Right Material

SUSPENDASLURRY materials are available for non-ferrous and ferrous metal casting.

- Non-ferrous metals: SUSPENDASLURRY FS material is recommended for both initial and backup coats.
- Ferrous metals: SUSPENDASLURRY ZR material is recommended for initial coats; for backup coats, use SUSPENDASLURRY FS material.

SUSPENDASLURRY material package sizes:

- SUSPENDASLURRY FS material is available in 60 pound (5 gallon) and 400 pound (30 gallon) slurries.
- SUSPENDASLURRY ZR is packaged in 100 pound pails (5 gallons) and 600 pound drums (30 gallons).



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