

Primcote® PLUS Binder

Extended Life Primary Binder

PRIMCOTE PLUS binder adds the benefit of extended slurry life to your primary slurry. When compared to the original, PRIMCOTE PLUS binder has increased primary slurry life by 60% at existing foundries.

PRIMCOTE PLUS binder's extended slurry life provides your shell room with:

- Reduced need to scrap a slurry due to issues such as gelation.
- Reduced need to purchase material more frequently to replace scrapped slurry. PRIMCOTE PLUS binder is purchased to top off the current slurry tank – requiring fewer material purchases annually.

PRIMCOTE PLUS binder also offers improved wetting capabilities over the industry's existing primary binders.

PRIMCOTE PLUS binder's improved wetting capabilities offer your shell room:

- Better initial coat coverage, despite pattern cleaner variations reducing potential casting defects such as spalling.
- Consistent coverage through small, tight areas increasing consistency of surface detail reproduction.

PRIMCOTE PLUS binder continues to benefit the foundry by eliminating buckling, lifting and cracking of primary shell coats and continues to allow faster drying of primary coats with lower humidity and/or increased air circulation.

PRIMCOTE PLUS binder contains a wetting agent, an antifoam agent and a color indicator to monitor shell dryness, as well as other proprietary ingredients. This binder is also compatible with conventional refractory materials and shell room equipment.

Typical Material Properties*

Base Composition	Colloidal Silica
Other Composition	Proprietary
Total Solids Content (Including SiO ₂)	28.5%-30.0%/weight
Particle Size (Approximate)	<15 nm
pH at 77 °F (25 °C)	10.3
Specific Gravity	1.17
Weight/Volume	9.70 lbs/gal (1.17 kg/l)
Na ₂ O Content (Weight)	0.35%
Particle Charge	Negative

*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.

PRODUCT DATA SHEET



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