



TECHNICAL BULLETIN

Thermbond Formulation Product Improvements

January 2008, Whitmore Lake, Michigan

Stellar Materials Incorporated, manufacturers of Thermbond® Refractories announces significant improvements to the following products, effective immediately:

Formulas 3-P, 4-P, 5-P, 6-P, Formula 12, Formula 8, and Formula 15-R

Technical Director Jens Decker recently identified a new raw material that improves refractory performance in certain Thermbond formulations. Decker substituted the new material in these existing formulas and found it to improve strength and density.

As a side benefit, the new formulations are now off-white in color as opposed to black. The color change adds value, as patching and repairs with these Thermbond products now closely matches the color of the existing refractory shape or lining. Repairs are now more aesthetically pleasing to the customer.

In addition to the formulation/color change for the patch products, the color change also affects Formula 12 (hex mesh ramming material primarily for the refining industry), Formula 8 (insulating mix primarily for the petrochemical industry and backup linings for the aluminium industry) and Formula 15-R (rammable material primarily for burner tiles).

Customers that order new material may still have some of the old material in stock. If both materials are delivered to the same jobsite, the finished patch may resemble a Holstein cow. Because the raw material substitution has no significant impact on the chemistry of the product there is no problem installing both formulations. Because the chemical composition is virtually the same, new testing certificates and new material safety data sheets are not required. However, since the material properties have improved, and the wet-to-dry ratios have changed, revised Technical Data Sheets are posted at www.thermbond.com.

Please note on the new data sheets that some materials now have different unit weights to account for the change in wet-to-dry ratios. This change is also reflected in unit pricing for the affected products.

All new materials starting with Batch #722208 use the modified formulation. The updated Thermbond refractories are already successfully installed across all industries supported by Stellar Materials.

Stellar Materials Incorporated is a privately-held corporation headquartered in Boca Raton, Florida with manufacturing facilities in Whitmore Lake, MI, stocking warehouses worldwide, and wholly-owned subsidiaries in Rotterdam, NL and Abu Dhabi, UAE.

For more information visit our website at www.thermbond.com or email info@thermbond.com

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