

MXC EXCEL X2 BLEND



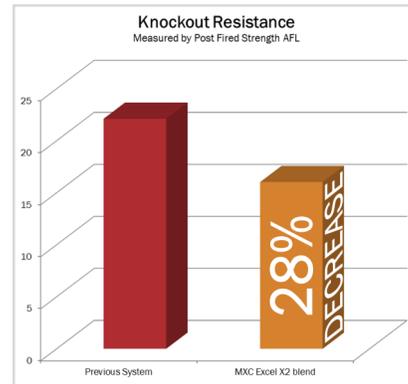
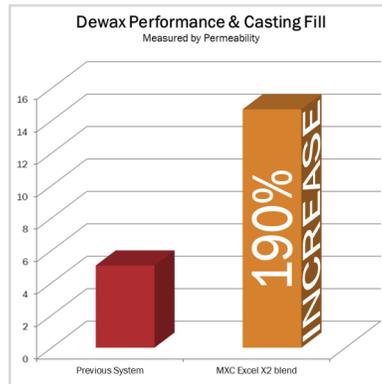
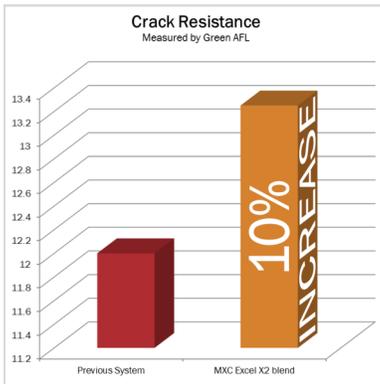
With their existing system, Foundry Y experienced shell cracking; inconsistencies in shell thickness; trouble with dewaxing and casting fill; and difficulties with shell removal. They recognized the need for process improvement and partnered with the experts at R&R to create a system tailored to reach their casting goals.

Using a thorough assessment process and R&R laboratory testing, R&R clearly identified Foundry Y's operational goals and developed a trial plan. R&R proposed a system transition to MXC Excel X2 blend. Foundry Y agreed and validated the recommendation in production.

With the new MXC Excel X2 blend system in place, Foundry Y experienced:

- Improved crack resistance with reduced shell thickness.
- Improved dewax performance and casting fill.
- Easier shell removal.

Increased shell strength improved crack resistance by 10%. Shell permeability increased significantly allowing for improved dewax and better casting fill. Post fired strength decreased by 28%, allowing for easier, quicker shell knockout.



In the spirit of the Matrixcote® system, MXC Excel X2 blend was developed after working closely with foundries to improve dewax performance and casting results. The Matrixcote system can be used in a variety of combinations, each tested to provide best-in-class performance.



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