

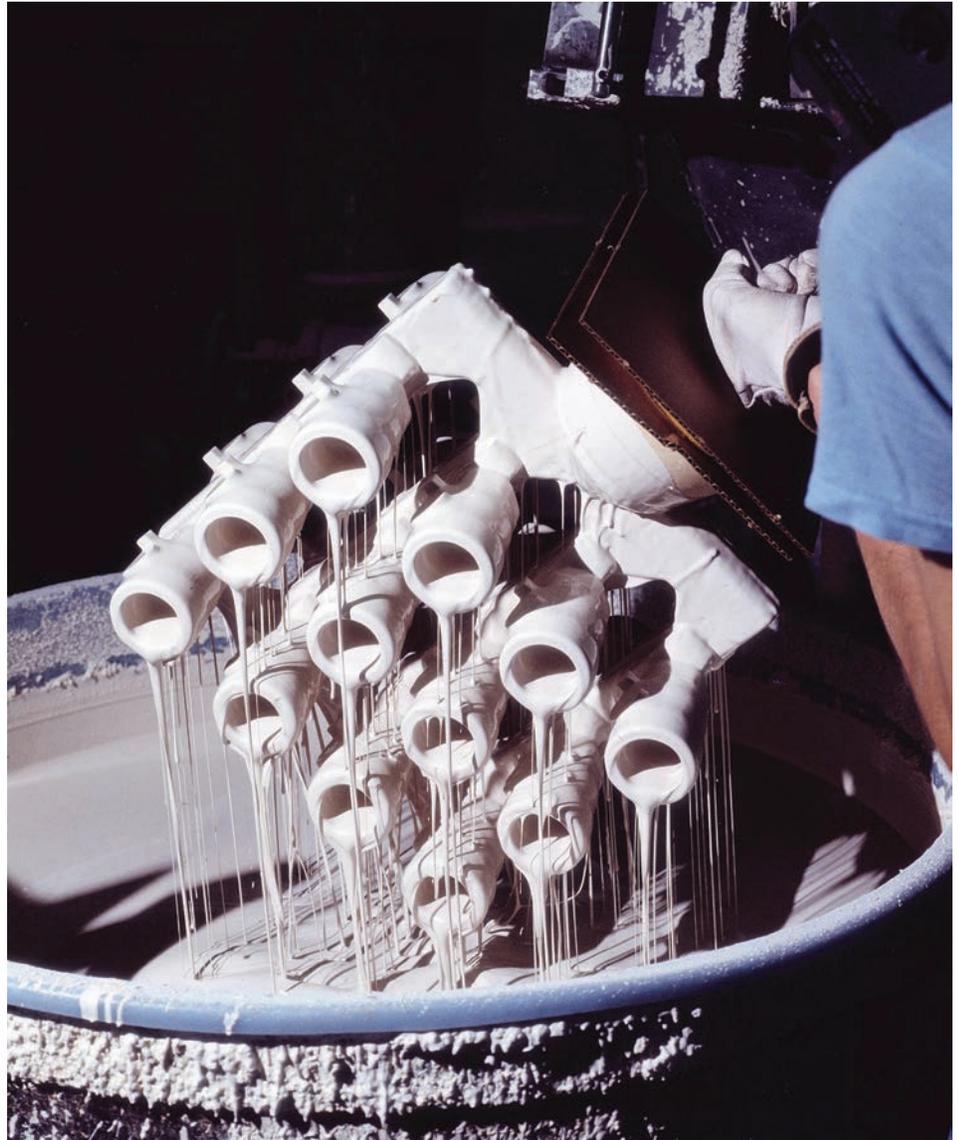
# Improve Green Strength and Shorten Dry Times with REMET® ADBOND® QUIKSET™

by Manuel Guerra, REMET®

One of the largest problem areas facing investment casters is drying of intricate and/or recessed areas of the mold. These types of parts are usually extremely difficult to dry, and can sometimes slow down drying so that only one dip per day can be applied. A slurry system using ADBOND QUIKSET can allow for faster re-dipping of these types of parts, thereby easing the workload in the shellroom. Or in other cases, even with parts that are relatively open, more throughput is needed to reduce work in process (WIP). Using ADBOND QUIKSET can help to reduce dry times between dips enough to make a significant impact on productivity in the shellroom.

REMET ADBOND QUIKSET is part of a two-component binder system, designed to be mixed on site with REMASOL® ADBOND BV™ colloidal SiO<sub>2</sub>. A two component binder system removes most of the aging problems associated with multi-component binders. Although the major design parameter for ADBOND QUIKSET was to deliver fast processing between dip coats, it also possesses very good green MOR strength, which can have a positive impact on mold handling and dewaxability. ADBOND QUIKSET develops higher levels of green MOR with relatively short inter-coat dry times versus standard binders, thus allowing for rapid processing of most shell molds.

Slurries using REMET ADBOND QUIKSET provide for stable, smooth dip coats. It can be used with a variety of flour types and sizes, and at a viscosity that suits the parts being dipped. This allows for good slurry wetting while achieving fast dry times. For a fast-drying slurry system that also provides for thicker backup coats, an ideal system would be ADBOND QUIKSET with REMASOL SP-BV™ colloidal SiO<sub>2</sub> and



REMET EZ-CAST® CPS FS (fused Silica) or REMASIL® 48/60 EZ-CAST CPS.

REMET has introduced a new binder system that can allow PIC foundries to shorten dry times between dip coats, while providing high green MOR values. REMET ADBOND QUIKSET Concentrate, a proprietary concentrate mixture developed by the REMET laboratory, when added to REMASOL® ADBOND BV colloidal SiO<sub>2</sub> produces

an extremely effective water-based binder system that works with any standard refractory flour (fused SiO<sub>2</sub>, alumino silicate (ie - REMASIL), zircon, and/or alumina).

Contact your REMET Territory Manager for more information or to schedule a trial to see how ADBOND QUIKSET can help to reduce dry times between dip cycles and improve shellroom productivity today.