

*Binders are a cornerstone of REMET's existence. REMET works closely with its customers to help select the binder that will optimize their process. Factors such as adhesion to the wax pattern, slurry stability, required green, hot and fired strength, processing speed and an ability to operate under the foundry's environmental conditions, whether tightly controlled or uncontrolled, are all considered to give our customers the best system to meet or exceed their needs. Available binders include families of Enhanced REMASOL® ADBOND® Binders as well as standard REMASOL® Colloidal Silica Binders.*

- World-Class Technical Support
- State-of-the-Art R&D Laboratories
- Improved Green Strength and Elasticity
- Unique Solutions to Reduce Operating Costs
  - Coat reduction plus faster processing speed yield: reduced coats, improved customer responsiveness, reduced work in process and increased profitability.

## COLLOIDAL SILICA

### **REMASOL®**

Available in both 14 and 18 millimicron particle size. Freeze stabilized (FS) grades are available from REMET UK.

### **LUDOX®**

This line of binders, manufactured by W.R. Grace, is available in all industry standard sizes to meet the investment caster's needs.

## ENHANCED COLLOIDAL SILICA

### **REMASOL® ADBOND®**

Designed to: improve primary coat adhesion and stability; improve back-up coat strength; provide faster processing; reduce coats; improve customer responsiveness; reduce work in process; increase profitability.

Available for both primary and backup slurry applications.

### **LUDOX®**

Full LUDOX® SK family of products is also available.

## AQUEOUS BINDER SYSTEMS

REMASOL® ADBOND® binder systems are available either as two-component systems, to allow you to minimize cost and maximize formulation flexibility, or as pre-blended ready-to-use products.

## ETHYL SILICATE

### **ES 40**

REMET offers this silicate binder which requires hydrolysis prior to use.

### **SILESTER®**

Available in A-1 (AR) and XA-1 (XAR) prehydrolyzed products.

### **REMET R-18**

Prehydrolyzed binder with 18% silica content.

### **REMET R-20**

Prehydrolyzed binder with 20% silica content.

### **REMET R-25**

Prehydrolyzed binder with 25% silica content.

- Custom Hydrolized formulations are also available.

## SPECIALTY BINDERS

### **COLLOIDAL ALUMINA (REMAL® 20)**

- Excellent binder for reactive alloy casting.

### **COLLOIDAL ZIRCONIA**

An acetate stabilized binder for high temperature applications.

### **TICOAT®-N**

An effective binder system designed specifically for titanium castings. It is also useful for other applications where presence of silica in the binder would cause metal mold reaction problems.

LUDOX® is a registered trademark of W.R. Grace.

SILESTER® is a registered trademark of Wacker.



# BINDERS

PRODUCT NAME	PRIMARY	BACKUP	REQUEST PDS#
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## STANDARD COLLOIDAL SILICA

REMASOL® SP-30	■	■	PD-10
REMASOL® LP-30	■	■	PD-10
REMASOL® LP-40	■	■	PD-13
Ludox® SM-30	■	■	(a)
Ludox® HS-30	■	■	(a)
Ludox® AM-30	■		(a)
Ludox® PX-30 PIC (UK ONLY)	■	■	(a)

## ENHANCED BINDERS

### PRE-BLENDED

REMASOL® ADBOND® AD-II	■		PD-52
REMASOL® ADBOND® Advantage	■		PD-145
REMASOL® ADBOND® EZ (USA ONLY)		■	PD-134
REMASOL® ADBOND® ULTRA!		■	PD-140
REMASOL® ADBOND® 2102	■	■	PD-121
Ludox® SK	■		PD-101
Ludox® SK-B (USA ONLY)		■	(a)
Ludox® SK-F	■		(a)
Ludox® SK-G		■	(a)
Ludox® SK-R		■	(a)

### CUSTOM-BLENDED *Contact your REMET representative about customizing a formula for your specific needs.*

REMASOL® ADBOND® SP-BV		■	n/a
REMASOL® ADBOND® LP-BV		■	n/a
REMASOL® ADBOND® SP ULTRA!		■	n/a
REMASOL® ADBOND® LP ULTRA!		■	n/a
REMASOL® ADBOND® Advantage	■		n/a

## BINDER SYSTEMS: TWO-COMPONENT

### BASE BINDERS (To be mixed with ADBOND® Polymers) *Contact your REMET representative about customizing a Base Binder for your specific needs.*

REMASOL® SP-BV (USA ONLY)	■	■	PD-111
REMASOL® LP-BV (USA ONLY)	■	■	PD-113

### POLYMERS (To be mixed with REMASOL® Base Binders)

ADBOND® AD-II Concentrate	■		PD-52a
ADBOND® Advantage Concentrate	■		PD-146
ADBOND® BV Concentrate		■	PD-109
ADBOND® DD Concentrate	■		PD-56a
ADBOND® ULTRA! Concentrate		■	PD-143
ADBOND® 3301 Concentrate		■	PD-124
RC Latex (USA ONLY)		■	PD-125

(a) REMET will provide W.R. Grace product literature.



Your **Concept to Casting** Supplier

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