



# Wesolok F

## Alumina floccing and bonding system for refractory fibers

### How to Use Wesolok F

Wesolok F is a complete floccing and bonding system, and should always be added directly to the fiber slurry after dispersion of fiber and filler. Typical formulations with and without filler are listed below.

#### Typical Formulation

Water – gallons	50	50
Alumina Fiber – lbs	8	8
Alumina Filler – lbs	-	3
Wesolok F – lbs	1.5	1.5

Follow the above order of addition, adding the dry Wesolok F Binder last, after dispersion of fiber and fillers. Allow 5 – 10 minutes to disperse binder and floc before dropping to hold or forming tank. Form in normal fashion. Dry at 250°F. For burning out starch, 750°F is suggested as this will also remove the water of hydration from alumina binder to set it permanently.

Wesolok F is a complete floccing and bonding system for aluminosilicate and alumina fibers, recommended for use when contact with molten metal occurs. It contains cationic starch and a blend of high alumina binders that gives hardness and strength equivalent to colloidal silica/starch systems, but with reduced shrinkage and cristobalite formation at high use temperatures (2300°F – 3000°F).

### Use WESOLOK F to enjoy these advantages

#### *Easier forming of alumina fiber shapes*

Complete alumina bonding system eliminates steps and replaces less effective colloidal silica starch systems.

#### *Higher temperature capability*

Alumina based system is highly effective for continuous use up to 3000°F.

#### *Better results with lower quality fibers*

Alumina coats lower quality fibers thereby maintaining their integrity at high temperatures, reducing fluxing and shrinkage and improving properties of bonded shapes.

#### *No cristobalite*

Completely cristobalite free at use temperature, eliminating a common source of thermal shrinkage problems and health-related concerns.

#### Typical Physical Properties

Color	White
Consistency	Dry Powder
Approximate Bulk Density (pcf)	32
Loss on Ignition*	7 – 8 %
Fusion Point (inorganic binder)	3200°F
Toxicity	Non Toxic. Do not breathe dusts. Dispersions are mildly acidic. Protect eyes from splashes. See MSDS
Packaging	Fiber Drums, 400 Lbs. net; cartons 60 Lbs. net

\*Typical value for Wesolok F bonded fiber products

**For a price quote and valuable information  
on how we can help you improve your  
vacuum formed products call**

**WESBOND  
(302) 655-7917**