



# Wesil PRX

complete binder system  
for molten steel resistance

## How to Use Wesil PRX

Wesil PRX is a complete floccing and bonding system, and should always be added directly to the fiber slurry, after dispersion of fiber and filler. Binder fillers and fiber will all be flocced together in a three dimensional pattern for product integrity and strength.

### Typical Formulation:

Water - Gallons	50
Refractory Fibers - lbs.	20
Graded Aggregate - lbs	80
WESIL PRX Binder - lbs.	5

Follow above order of addition, adding the dry WESIL PRX Binder last after the fiber mixing and fillers; allow 5 - 10 minutes to disperse and floc before dropping to holding or forming tank. Form in normal fashion. Dry at 250°F. Do not dry at temperatures over 300°F.

Note Proper Use: WESIL PRX Binder must not be pre-dissolved as it will floc on itself instead of the fibers.

WESIL PRX Binder is a blend of natural starches and our proprietary aluminosilicate binder designed to replace phenolic resins in low fiber hot top boards and other insulating fixtures used in metal production, smelting, and casting.

WESIL PRX is not quite as effective as some phenolics and may require more for equivalent hardness; we suggest you try it first at 5% by weight and adjust from there for desired strength and hardness.

## Use WESIL PRX to enjoy these advantages

### *Non-Toxic*

No "Phenol" fumes during use, and greatly reduced waste water disposal problems.

### *Lower drying temperatures*

Contains a heat set resin that cures at 200°F so good strength is obtained at a drying temperature of 250°F, eliminating the high baking temperature required with phenolics..

### *More moisture tolerant finished product*

Non-toxic heat-set resin allows better moisture tolerance; formed parts are more able to maintain hardness and strength if exposed to humidity.

### *More uniform product*

Master batching in 1000 lb. lots means a more consistent blend for us and a more uniform product for you.

### *No cristobalite*

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

### Typical Physical Properties

Color	Beige
Consistency	Medium Density Dry Powder
Approximate Bulk Density (pcf)	34
Loss on Ignition*	4 - 5%
Fusion Point (Inorganic Binder)	2400°F
Toxicity	Non Toxic, Do not breathe dusts, See MSDS
Packaging	Fiber Drums, 250 Lbs. net

\* Typical value for WESIL PRX 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**