



Wesil RP

binder system
to replace phenolics

How to Use Wesil RP

Wesil RP is a complete floccing and bonding system and should always be added directly to the fiber slurry after dispersion of fiber and fillers.

Recommended formulations with and without filler are listed below.

Typical Formulation:

Water-Gallons	50	50
Refractory Fibers-Lbs.	8	8
Filler, Mullite 100M-Lbs.	---	3
Wesil RP Binder-Lbs.	1	1.25

Follow above order of addition, adding the dry Wesil RP Binder last after dispersion of fiber and fillers; allow 5 - 10 minutes to disperse and floc before dropping to holding or forming tank. Form in normal fashion. Formed boards and shapes should be dried at 250° F minimum to set resin. Wesil RP has a low starch content so less capacity to hold fillers; if you use more than 50% fillers (by weight of fibers), more Wesil RP will be required to hold floc.

Note Proper Use: Never pre-dissolve the Wesil RP Binder as it will floc on itself instead of the fibers

Wesil RP is a complete refractory fiber floccing and bonding system designed to **R**eplace the **P**henolic resin systems in riser sleeves and other foundry applications. Wesil RP contains cationic starch to floc the aluminosilicate binder on to the fibers and a non-toxic heat set resin that sets up during drying to give extra hardness, strength, and resistance to moisture.

Use WESIL RP to enjoy these advantages

Replaces noxious phenolics

Non-toxic heat set resin replaces hazardous phenolic resin systems.

Increased hardness

Heat set resin can be used to replace starch and colloidal silica where extra hardness is required.

More moisture tolerant finished product

Formed parts are more able to maintain hardness and strength if exposed to humidity.

No cristobalite

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

Typical Physical Properties

Color	Cream
Consistency	Dry Powder
Approximate Bulk Density (pcf)	28
Loss on Ignition*	5 - 6%
Fusion Point (Inorganic Binder)	2400°F
Toxicity	Non Toxic, Do not breathe dusts, See MSDS
Packaging	Fiber Drums, 250 Lbs. net or 45 Lb. cartons

* Typical value for WESIL RP 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**