



# Wesil HT

complete binder system  
for molten steel resistance

## How to Use Wesil HT

Wesil HT 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, with and without filler:

Water - Gallons	50	50
Refractory Fibers - lbs.	8	8
Filler, Mullite 100M - lbs	---	3
WESIL HT Binder - lbs.	1.4	1.6

Follow above order of addition, adding the dry WESIL HT 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.

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

Wesil HT (**H**igh **T**emperature) is a complete refractory fiber floccing and bonding system for use in molten steel contact applications such as thermocouple sleeves. Wesil HT is a dry blend of colloidal alumina and aluminosilicate binders combined with a non-toxic heat-set resin that sets up during drying to give extra hardness, strength, and moisture resistance. Wesil HT produces firm, strong dried boards and shapes that resist molten steel contact with little shrinkage and degradation.

## Use WESIL HT to enjoy these advantages

### *Designed for thermocouple sleeves*

Combines refractoriness and surface hardness for repeated contact with molten steel.

### *Reduces shrinkage and degradation*

High alumina binder creates less shrinkage and degradation for enhanced product integrity.

### *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)	3000°F
Toxicity	Non Toxic, Do not breathe dusts, See MSDS
Packaging	Fiber Drums, 250 Lbs. net

\* Typical value for WESIL HT 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**