



Wesil HT

complete binder system
for molten steel resistance

Why Wesil HT?

- **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 resistant 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 products** - Master batching creates more consistent binder ratios and enhanced product integrity.

Typical Properties

Appearance	Light Brown Powder
Bulk density, pcf	29
Loss on Ignition (800°C)	55%
Product LOI (800°C)*	4 – 5%
Fusion Point, binder	3000°F

*Typical value for WESIL HT bonded fiber products

Storage, Handling and Safety

Store in a dry place. Keep container closed to prevent moisture pickup.

Avoid inhaling dust. Refer to SDS for complete safety information.

Packaging

55 gal. fiber drums, plastic lined, 250 lbs. net

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.

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 dispersing fibers and fillers). The binder, fibers, and fillers will be flocced together in a three-dimensional pattern for product integrity and strength.

Typical Formulation:

		with filler
Water, Gallons	50	50
Refractory Fiber, lbs	8	8
Mullite 100 filler, lbs	-----	3
Wesil HT, lbs	1.4	1.65

Follow above order of addition, adding the dry WESIL HT Binder last after dispersing fibers and fillers in water; 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.

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

WESBOND
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