



Wesil CS

complete binder system
for vacuum forming fibers

Why Wesil CS?

- **Reduced costs** - Typically reduces formula costs 30-40% below colloidal silica/starch systems.
- **Eliminates a process step** – One binder replacing two means fewer operations and less chance for error.
- **Higher fired strength** - More inorganic binder creates better fired strength.
- **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	2400°F

* Typical value for WESIL CS 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 CS is a **C**omplete **S**ystem for fiber bonding that replaces colloidal silica and starch. It contains a cationic cold-water-swelling corn starch blended at an optimum ratio with our proprietary aluminosilicate in a dry binder. Buffers are added to maintain proper pH for maximum strength products and reduce bacteria growth for better slurry life.

How to Use Wesil CS

Wesil CS 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	----	4
Wesil CS, lbs	1.0	1.25

Follow above order of addition, adding the dry WESIL CS 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 CS Binder must not be pre-dissolved as it will floc on itself instead of the fibers.

2100°F continuous use limit recommended in riser sleeves, tapping cones, furnace burner chambers and fireplace logs.

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

WESBOND
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