



Wesil NS

no smoke
aluminosilicate binder system

How to Use Wesil NS

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

Typical Formulation,
with and without filler:

Water-Gallons	50	50
Refractory Fibers-Lbs.	8	8
Filler, Mullite 100M-Lbs.	---	3
Wesil NS Binder-Lbs.	2	3

Follow above order of addition, adding the dry Wesil NS Binder last after dispersion of fiber and fillers. Allow 5 - 10 minutes to disperse binder and floc before dropping to holding or forming tank. Form in normal fashion. Dry at 250°F. Forming time is usually longer than with high starch formulations.

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

Wesil NS (**No S**moke) is a complete refractory fiber floccing and bonding system for use where a minimum of off-gassing is desired in the bonded product. Wesil NS is a dry binder containing cationic Wesolok alumina and a small amount of organic flocculent. This binder system produces firm, strong dried boards and shapes that don't give off fumes or smoke on contact with hot metal or open flame.

Use WESIL NS to enjoy these advantages

Less smoke and whiter color

Lower organic content for purer color and reduced off-gassing.

No more pre-dissolving or cooking starch

Contains cationic starch eliminating time consuming extra steps.

Greater fired strength

More inorganic binder creates better fired strength.

More uniform product

Master batching creates more consistent binder ratios and enhanced product integrity.

No cristobalite

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

Typical Physical Properties

Color	Light Cream
Consistency	Dry Powder
Approximate Bulk Density (pcf)	34
Loss on Ignition*	3 - 4%
Fusion Point (Inorganic Binder)	3000°F
Toxicity	Non Toxic, Do not breathe dusts, See MSDS
Packaging	Fiber Drums, 250 Lbs. net or 45 Lb. cartons

* Typical value for Wesil NS 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**