



Wesoflok SB

Cationic Starch Blend

How to Use Wesoflok SB

Wesoflok SB should be flocced with equal amounts of colloidal silica (such as **Bindzil 2040**).

Typical Formulation

Water, gallons	50	50
Refractory Fiber, lbs	8	8
Mullite 100, lbs	----	4
Wesoflok SB , lbs	0.8	0.9
Bindzil 2040 , lbs	0.9	0.9

Follow above order of addition, adding the dry **Wesoflok SB** binder after fiber dispersion and filler addition. Allow 10-15 minutes to disperse before adding colloidal silica. Mix an additional 5 minutes after colloidal silica addition to complete floccing before forming.

Dry at 250°F. Do not air dry, as you will not develop full hardness.

Wesoflok SB is an optimized blend of our cationic starches and aluminosilicate binder for floccing colloidal silica onto refractory fibers in a vacuum forming process. Our proprietary modified aluminosilicate binder is added to improve dispersibility and replace more expensive colloidal silica, reducing formula cost.

Use Wesoflok SB to enjoy these advantages

Greater product strength

Create stronger boards with less colloidal silica binder.

Greater floccing power

Creates a stronger floc to hold onto more fillers and retain more colloidal silica where added density and hardness are required.

Saves Money

With **Wesoflok SB** you can formulate using 50% less silica binder, lowering material costs.

More uniform product

Master batching in 1000 lb. lots means a more consistent blend for us and a more uniform product for you.

Comparative advantages

	<u>Standard</u>	<u>Wesoflok SB</u>	<u>Wesoflok SB</u>
Fiber	80 lbs	80	80
Starch	4 lbs	----	----
Wesoflok SB	----	8 lbs	9
Colloidal Silica	Nalcoag 1140	1140	1140
Amount	16 lbs	8	9
Hardness (Shore O)	64	65	69
MOR, psi	118	156	179
Fired MOR (1850°F)	51	53	56
Shrinkage (1850°F)	1.7%	1.7%	1.7%

Typical Physical Properties

Color	Cream
Consistency	Medium Density Dry Powder
Approximate Bulk Density (pcf)	36
Fusion Point (Inorganic Binder)	2300°F
Toxicity	Non Toxic, Do not breathe dusts.
Packaging	Fiber Drums, 250 Lbs. net or 50 Lb. cartons

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

WESBOND
(302) 655-7917