



# 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
<b>Wesoflok SB</b> , lbs	0.8	0.9
<b>Bindzil 2040</b> , 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**