



# Wesbond PSA

## pigment suspending agent

### How to Use Wesbond PSA

Add Wesbond PSA powder to the colloidal silica / pigment slurry at a 5% by weight loading with maximum available mixing to get the needed colloidal suspension. This 5% loading amounts to about 25 Lbs. PSA per 50 gals. slurry. If you are using a 20% silica content in your slurry, it can be reduced to 15% with the use of PSA while still getting same hardness and strength. Improved pigment hold-out may give you a deeper shade initially so you may need to reduce your pigment loading in the slurry.

Note Proper Use: PSA will reduce settling, but will not eliminate it. The slurry should always be re-mixed before dipping.

Wesbond PSA is a **Pigment Suspending Agent** designed for use in colloidal silica/pigment slurries for coloring and hardening of ceramic fiber shapes, like fireplace logs. It performs exceptionally well for suspending pigments used in slurries for dipping, spraying, and brush-on applications. Wesbond PSA is an all inorganic Magnesium Aluminum Silicate powder with a pH similar to that of colloidal silica (9-10) and high temperature properties similar to the ceramic fibers used in vacuum formed fireplace logs.

### Use WESBOND PSA to enjoy these advantages

#### *Easier mixing*

improves pigment suspension and reduces settling to make mixing easier

#### *Improved color uniformity*

suspends and disperses pigments for more uniform color

#### *Improved hardness*

colloidal mineral blend creates stronger, more durable coatings

#### *Significantly lower costs*

Wesbond PSA improves pigment surface retention reducing overall pigment use by up to 50% -- a significant cost reduction. It also replaces up to 10% of expensive colloidal silica sol, bringing your overall formulation costs down

#### Typical Physical Properties

Color	Cream
Consistency	Dry Powder
Approximate Bulk Density (pcf)	28
pH	9 - 10%
Fusion Point (Inorganic Binder)	2400°F
Toxicity	Non Toxic, Do not breathe dusts, See MSDS
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**