



Wesbond PSA

Pigment Suspending Agent

Why Wesbond PSA?

- **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 lowers 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 Properties

Appearance	Light Brown Powder
Bulk density, pcf	38
Loss on Ignition (800°C)	25%
pH (5%)	10.6
Fusion Point, binder	2400°F
Toxicity	Non-Toxic. See SDS

Storage, Handling and Safety

Store in a dry place. Keep container closed to prevent moisture pickup.

Packaging

55 gal. fiber drums, 250 lbs. net

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 – 11) and high temperature properties similar to the ceramic fibers used in vacuum-formed fireplace logs.

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

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

WESBOND
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