



Wesbond PS9400W

Wetting agent for rigidizing vacuum formed shapes

PS 9400W is a low-foaming rapid-wetting surface active agent (surfactant) for use in rigidizing vacuum-formed ceramic fiber shapes. It is effective at low concentrations and enhances rigidizer penetration.

PS9400W offers these advantages:

- PS9400W is a nonionic wetting agent so it enhances penetration without foaming.
- Chemically PS9400W is Isodecyl Alcohol Ethoxylate, a nonionic chemical compatible with colloidal silica and colloidal alumina.
- PS9400W will improve rigidizer penetration of dense, waxy or oily fiber shapes.

How to Use PS9400W

Wesbond PS9400W should be added to the rigidizer at 0.1% to 0.2% of the total weight of the rigidizer.

Typical Formulation:

	Volume	Weight
Levasil FO2040 colloidal silica	5 gallons	54 lbs
PS9400W wetting agent (0.1%)	25 ml	25 grams

Allow sufficient mixing time after PS9400W addition for complete dispersion before rigidizing.

Storage and Handling

Protect from freezing. Ideal storage temperature is 22°C (72°F). Stability at 22°C (72°F) is 2 years when properly stored.

Typical Physical Properties

Color	transparent
Consistency	Thick Liquid
Bulk Density	1.0 g/ml (62 lb/cubic foot)
Nonvolatile content, %	~ 90%
pH	8.0 – 9.0
Toxicity	Non Toxic. Mild skin irritant. Mild eye irritant. Protect eyes from splashes. See SDS.
Packaging	1-gallon and 5-gallon pails. 55-gallon drums, 425 lbs. Net.