



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. |