



Wesol D30

high concentration
colloidal alumina rigidizer

How to Use Wesol D30

Dip shapes or board to be rigidized in full strength Wesol D30 for 10 to 30 seconds to get desired pick-up and hardness.

Dry at 250°F (120°C). To set the rigidizer permanently, 750°F (400°C) is suggested as this will also remove the water of hydration from the alumina.

Wesol D30 Alumina Rigidizer is a high concentration, large particle size alumina sol for superior rigidizing of refractory fiber shapes. Wesol D30 Alumina rigidizer offers many advantages over colloidal silica sols including increased safety, lower electrolytes, lower reactivity at high temperatures, and less migration to the surface on drying.

Use WESOL D30 to enjoy these advantages

Rapid, deeper absorption

Larger particle size and low viscosity absorbs rapidly and deeply for thorough rigidizing, even of thick shapes of two or more inches.

Withstands higher temperatures

High purity, low reactivity yields greater refractoriness at high temperatures.

Reduces surface migration

This colloidal alumina has less tendency to migrate to the surface during drying, resulting in a more uniform product.

Easy to use

Complete dip system means no mixing required for a quick convenient process.

No cristobalite

Completely cristobalite free at use temperature eliminating a common source of thermal shrinkage problems and health related concerns.

Typical Physical Properties

Color	White
Consistency	Liquid
Concentration, Wt. %	30%
pH	3.5 - 4.5
Average particle Size	100 nanometers
Stabilizing Ion	Nitrate, 0.33%
Specific Gravity	1.23
Toxicity	Non Toxic, non-hazardous, safe for spraying relative to inhalation; protect eyes from splashes and spray
Packaging	Plastic 55 gallon drums, 570 Lbs. net; 5 gallon pails

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

**WESBOND
(302) 655-7917**