

# Saint-Gobain Coating Solutions

## Technical Bulletin

### Saint-Gobain #182, #183, #184 Aluminum Oxide

#### Size Control

#182 Grain code 932220-70mic controlled by sieves  
#183 Grain code 932215-45mic controlled by sieves and Coulter  
#184 Grain code 932225-30mic controlled by sieves and Sedigraph

#### Typical Chemical Compositions (%)

Al <sub>2</sub> O <sub>3</sub>	99.25
Na <sub>2</sub> O	0.60
SiO <sub>2</sub>	0.02
Fe <sub>2</sub> O <sub>3</sub>	0.06
CaO	0.01

#### Powder Characteristics

Saint-Gobain Aluminum Oxide is a blocky shaped fused white alumina powder of high purity. It is insoluble in aqueous solutions of common acids and alkalis. These powders have a high dielectric strength at room temperature.

#### Typical Applications

Saint-Gobain Aluminum Oxide is used to produce coatings with excellent resistance to abrasive wear, cavitation, particle erosion, friction, heat and oxidation. They are recommended for use in the textile and chemical industries.

Saint-Gobain #184 produces hard, dense coatings and is recommended for coating armature shafts, textile parts, process rolls, and seal faces. It is approved for Pratt & Whitney 1310 and also meets specifications for Honeywell EMS 52432, Allison Gas Turbine EMS 56758 and Rolls Royce 9507/9.

#### Ceramic Materials

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