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Chemical Name:....Carbon Black

Color:.....BLACK

Product Description

Basic Use: Solomon Colors, Inc. 908 Carbon Black powder is designed for use in cementitious slump applications. Carbon Black is used in the manufacturing of ready mix concrete, driveways, sidewalks, patios, grout, vertical precast and poured-in-place concrete construction. **Mixing:** Mixer should be loaded to a minimum or 40% capacity to ensure good color dispersion. Be sure to use the same mix design and maintain a consistent water to cement ratio throughout the job with a maximum of 4" slump (higher slumps may be obtained by using a water reducer or plasticizer). Mix at high speed a minimum of 10 minutes before pouring concrete. Color variations may occur if batch proportion and slump are not maintained from load to load. After pour has begun, adding water to the load to improve workability should be kept to a minimum. **Limitations:** A level of 2% color based on the weight of total cementitious material used is the color saturation point. Color added in excess of 2% will not provide additional benefits. The suggested "optimum" range is 1% to 2% pigment loading based on total cementitious material weight. (Cement, Lime, Fly Ash, GBFS). Due to the particle size of Carbon, Carbon has a tendency to dissipate out of concrete over time. Solomon Colors recommends sealing the concrete periodically as this will help slow this process down and in some cases prevent it. Carbon particles will decrease the amount of entrained air during the mixing process. Monitoring air content to specification may be necessary.

Specification	
Chemical Family	Carbon
Appearance	Powder
General Formula	C
Percentage	>97%
% Moisture	<1.0
Specific Gravity	1.703 -1.903 (20 °C)
Bulk Density	20-680 kg/m ³
Solubility in water	insoluble
PH	9.5-11.5
Iodine Number	86 mg/g
DBP Absorption	112 cc/100g