



# CONCRETE PRODUCTS GUIDE

- PIGMENTS FOR CONCRETE
- PIGMENT METERING SYSTEMS
- MORTAR COLOR



*Making Concrete Beautiful Since 1927*



SPRINGFIELD, IL



**SOLOMON COLORS, INC.**  
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# TABLE of CONTENTS

- Our History .....3
- The Solomon Advantage .....4
- Iron Oxide Pigments .....5
- Dry Pigment.....6
- ColorFlo Liquid Color .....7
- ColorSelect Liquid Color System.....8-9
- ColorFlo SG Granular Pigment.....10
- QuickColor SG Granular System.....11
- Granular Metering Systems.....12-13
- Mortar Color.....14
- ColorSelect Dry Batching System .....15



[www.solomoncolors.com](http://www.solomoncolors.com)  
[www.brickform.com](http://www.brickform.com)

AN EMPLOYEE OWNED COMPANY



# PIONEERING technology and product innovations SINCE 1927

We are an employee-owned manufacturer of an innovative line of products for architectural and decorative concrete. Solomon Colors' decades of experience, dedication to quality, and desire to drive to innovate makes us the premier provider of color and decorative products for the concrete industry. We look forward to providing you the highest level of service and best quality products, as any Solomon Colors customer should expect.



ROBERT C. SOLOMON,  
 FOUNDER

## TIMELINE



- 1927**  
SOLOMON GRINDING SERVICE FOUNDED
- 1972**  
SOLOMON GRIND SERVICE MORTAR & CONCRETE COLORS LAUNCHED
- 1981**  
H SERIES MORTAR COLOR LAUNCHED
- 1986**  
COLORFLO LIQUID PIGMENT DEVELOPED
- 1998**  
COLORSELECT AUTOMATED SYSTEMS INTRODUCED
- 2010**  
COLORFLO GRANULAR PIGMENT DEVELOPED
- 2013**  
QUICKCOLOR GRANULAR BAG & BUCKET SYSTEM INTRODUCED
- 2014**  
ULTRAFIBER 500 ACQUIRED
- 2017**  
GRANULAR PIGMENT PRODUCTION FACILITY



# The Solomon Advantage

## YOUR SALES AND SUPPORT TEAM

When you work with Solomon Colors, you have a devoted team of professionals standing behind you. Every Solomon Colors customer has an assigned sales manager and account manager at our factory. Your sales manager is your locally-based partner for in-plant help, technical questions, and growth assistance. Your account manager is your friendly, dedicated point of contact for ordering, shipping, and support. Rest easy knowing your Solomon Colors team has your back.

## OUR PRODUCTS

Solomon Colors has a long history of innovative, high quality pigments, color dispensers, and concrete product experience and knowledge. Each and every product we make is designed and produced for the most effective and consistent performance. Solomon Colors has everything you need to make concrete products and masonry beautiful.

## OUR SERVICE

When working with Solomon Colors, you can count on complete support. Solomon technical representatives and equipment technicians are readily available to assist you. Our nationwide warehousing and massive distribution means that you won't have to wait for Solomon Colors products.

## OUR COLOR LAB

Our color lab provides custom blending and color matching. Color lab technicians utilize state-of-the-art technology to achieve accurate matches. The lab uses advanced color matching techniques and equipment for the closest matches possible. Every match and blend is backed up by decades of experience and the latest technology.

## OUR PARTNERSHIPS

Solomon Colors works with industry associations to grow the block, paver, precast and mortar color industries. Solomon Colors isn't just a supplier — we provide technical training and are a partner to concrete products producers, distributors, contractors, and architects.

## SOLOMON COLORS CULTURE

Providing exceptional service to customers since 1927, Solomon Colors is a family-owned and employee-owned company. The average employee has been with Solomon Colors for over a decade. This means the company is owned and operated by people who really care, and people who are devoted to providing the best products and services possible. At Solomon Colors, the people make the difference.



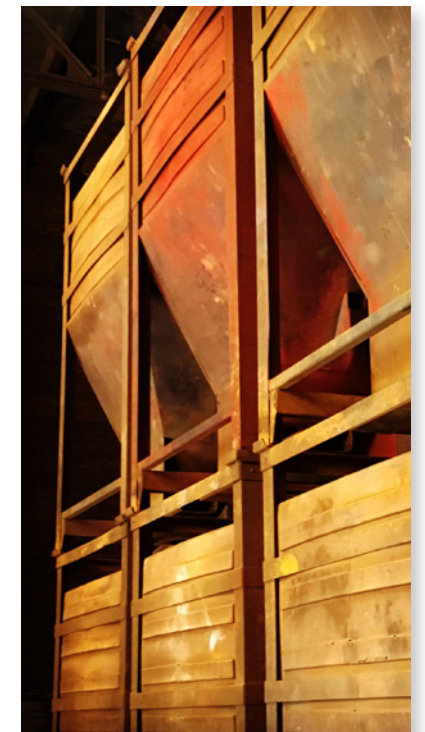
# Iron Oxide Pigments

**IRON OXIDE PIGMENTS** produce vibrant, durable colors in concrete and other cementitious materials. Iron oxide pigments are tested and certified by the American Society for the Testing of Materials to be light-fast, insoluble, and alkali resistant (ASTM C-979). This means iron oxide pigments will not deteriorate over time and will be readily visible in the concrete.

Due to their small size — ten times smaller than cement particles — iron oxide pigments disperse in the mix, embed in the cement matrix, and give the appearance of uniform coloration.

Iron oxide pigments will not affect the strength or workability of concrete when used in standard doses. They offer a host of benefits to architects and concrete product producers. Iron oxide pigments can drastically improve the value of concrete by making it more attractive and providing it with color-related properties such as solar reflectiveness.

Solomon Colors is proud to domestically blend and process all liquid, granular, and dry pigments at the company headquarters in Springfield, IL using the highest quality iron oxides. Liquid and dry pigments are also blended in-house in Rialto, CA.





# Dry Pigment

**SOLOMON COLORS DRY PIGMENT** is the simple, cost effective way to consistently color concrete products and mortar. Solomon Colors Dry Pigment is ASTM C979 compliant and free of extenders and fillers for consistent, brilliant color at lower loadings. Our dry pigment will not react with atmospheric conditions, wash out, or fade when properly mixed and dosed.

### PACKAGING

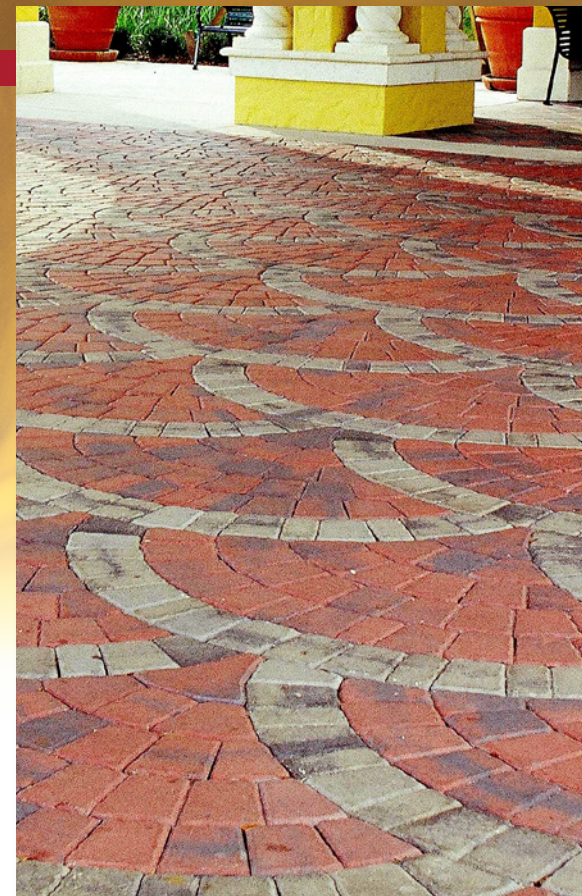
Accurate color dosing is made simple with Solomon Colors' convenient custom weight bagging to meet your production needs, along with our 25-lb. and 50-lb. standard weight bags.

### SOLOMON ADVANTAGE

Solomon Colors blends and packages our standard dry pigments in Springfield, IL and Rialto, CA. Each batch of color is lab-checked for quality and consistency. Custom color blending is available with the Solomon Colors color lab. With Solomon Colors dry pigments, the color possibilities are nearly endless.



# ColorFlo<sup>®</sup> CF Liquid Color



### LIQUID INTEGRAL COLOR

Uniform, consistent color with high solid contents ranging from 61.5%-70% has made Solomon Colors an industry choice for over 30 years. Our ColorSelect and QuickColor Systems allow thousands of consistent colors on demand with only four ColorFlo primary colors.

### INNOVATIVE PACKAGING

The signature Solomon Colors V-bottom tote virtually eliminates pigment waste. It is stackable and easily moved with a forklift for efficient operation and pigment transfer. Standard packaging includes 10-oz. bottles, 5-gal. buckets, 600-lb. drums and 4000-lb. V-bottom totes.

### THE SOLOMON ADVANTAGE

Solomon Colors started blending liquid pigment for concrete product manufacturing companies in 1986, and we have been the leaders ever since. With the largest liquid color production capacity in North America, a history of innovation, and an industry-leading color lab, you can count on Solomon Colors to provide the best liquid color for any project in any quantity.



# ColorSelect<sup>®</sup> Liquid Color System

## FOR CONCRETE PRODUCTS APPLICATIONS



ColorSelect<sup>®</sup> Pro Liquid System



ColorSelect<sup>®</sup> Pro System

## ColorSelect<sup>®</sup> Pro System

The ColorSelect Pro System utilizes the latest technology in automation controls to create a fully integrated and automated pigment dispensing system that ensures affordable accuracy and performance. Combined with ColorFlo liquid pigments and the Solomon Colors commitment to service, the ColorSelect Pro system gives you the confidence to produce outstanding concrete products for your market.

- *Convenient & accurate batch control.* Repeatable accuracy to +/- 0.05 lb (0.02 kgs)
- *Color on demand.* Coupled with Solomon Colors customer-focused lab services, you have the ability to produce an unlimited range of colored products
- *Time efficient.* System speed keeps up with any plant operation
- *Flexible placement.* Can be located up to 75 ft. from mixers
- *Adaptability.* Use the Bucket System Add-On option to supply color to other operations
- *Quality control.* Permanent database records of every batch you produce
- *Cleaner operation.* No direct handling of dry pigment, no batching dust or messy color sheds
- *Increased safety.* Reduce injuries from lifting heavy bags of dry pigment

Improve profitability in your plant with Solomon Colors ColorSelect Liquid Systems. ColorSelect systems quickly and efficiently batch thousands of colors from four primary ColorFlo pigments. Maximize the value added by color with innovative, reliable dispensers.

### FLEXIBILITY

Solomon Colors ColorSelect Systems offer unparalleled flexibility and adaptability. Simple electrical, air, networking, and water requirements make placement simple. Modular designs and small footprints mean our ColorSelect systems can fit in even the most congested plants, and can be custom designed to meet almost any need.

### SOLOMON ADVANTAGE

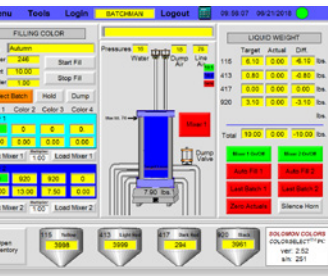
All ColorSelect systems are designed and built by Solomon Colors in the United States. Designated Solomon Colors service technicians are available nationwide for troubleshooting, preventative maintenance, and repair to keep your plant up and running. Call (866) 985-8324 for a qualified technician during normal business hours and an afterhours paging system.

### SPECIFICATIONS:

- Manual or automatic fill and dump cycles
- 4 (or 5) peristaltic hose pumps
- 4 (or 5) conical-bottom stationary supply totes, 400-gal. capacity each
- Remote PC-based interface with emergency stop
- Air wand recycle system

### REQUIREMENTS:

- **Electrical:**  
Main power: 230 V or 460 V, 3-phase  
Control circuits: 110 V  
Communication: Ethernet
- **Plumbing:**  
Pump suction: 1.5" suction hose  
Pump discharge: 3/4" nylon tube  
Delivery: 1" rubber hose
- **Air:** 80-100 PSI, 40-50 CFM, 3/8" FPT
- **Water:** 40 PSI continuous pressure, 3/4" FPT



### FOOTPRINT:

- Main panel: 8" x 24" x 36"
- 47-gal weigh chamber: 27" x 26" x 83"
- 15 mm hose pump assembly: 20" x 28" x 16"
- Conical bottom pigment supply totes: 48" x 48" x 85"
- Delivery tote: 48" x 48" x 67"

## UltraAccurate System Option

The ColorSelect PC UltraAccurate System uses a smaller, more accurate scale with smaller pumps to reach those difficult low loadings typically found in small batch sizes like face mix pavers, accent colors, or architectural precast applications. This option uses the same enclosure, footprint, and requirements for air, water and power as the standard ColorSelect Pro Liquid System

### SPECIFICATIONS:

- Same enclosure, footprint, and requirements for air, water and power as the standard ColorSelect Pro Liquid System, except uses 10 mm hose pump assembly
- Pumps are controlled by a variable frequency drive and use the same panel as the standard system
- 10 mm hose pump: 9" x 12" x 20", mounted to the T-400 frame
- Holding tank made from 8" clear acrylic tube
- Base machined with greater sloop to minimize water needed for cleaning between batches
- Tank sits on a 12" x 12" stainless steel scale with a 100-lb. load cell configured to read +/- 0.002 lbs. Due to the weight of the tank, the system has a capacity of 30 lbs.



ColorSelect<sup>®</sup> PC UltraAccurate System Option



# ColorFlo® SG Granular Pigment



Solomon Colors ColorFlo SG Granular Pigment is an excellent free-flowing, low-dusting color designed to run in every production system. With this patented granulation process, Solomon Colors offers a domestic source of granular pigment with 90 years of experience behind it.

#### INNOVATIVE PIGMENT

Granulated in Springfield, IL using an advanced process, SG Granular pigment is designed to work in any application. This innovative method creates a pigment with easy flowability, tighter particle size tolerances, reduced dust formation, and color development that meets or exceeds that of any competing granular pigment in both wet and dry slump conditions.

#### GRANULAR DISPENSING

Solomon Colors has partnered with four independent granular pigment metering equipment manufacturers. Together with our technical and sales representatives, we will help you select the best system for your plant and application.

#### SG GRANULAR COLOR PACKAGING

Solomon Colors' signature 2300-lb. and 2700-lb. (depending on color) Buffalo Bags make storing, transporting, refilling, and dispensing ColorFlo SG Granular pigment simple.



# QuickColor® SG Granular System

**QUICKCOLOR SG GRANULAR SYSTEMS** make it possible to have color on demand when full automation is not possible. With SG Granular pigment, thousands of colors can be created from only four primary colors, drastically reducing color inventory. The QuickColor SG Granular System is the convenient, clean way to dispense and package color. The system has a compact footprint and easily fits at the end of a standard warehouse shelving unit. A trolley makes it easy to retrieve bags or buckets after pigment is dispensed.



QuickColor®  
Granular System

#### SPECIFICATIONS

- 2300-lb. & 2700-lb. super sack capacity
- Dispenses up to 75 lbs./min.
- System accuracy of +/- 0.05 lb.
- 10 or 20 lb. repulable bags or 2, 3.5 or 5-gal. buckets

#### FOOTPRINT

- Length: 94"
- Width: 94"
- Height w/sack: 12'
- Height w/totes: 16' 9"

#### REQUIREMENTS

- Electricity: 110 V, 15 Amp
- Air: 5 ft<sup>2</sup> at 80 PSI
- Water: None



# Granular Metering Systems

Solomon Colors has partnered with four independent granular pigment metering equipment manufacturers. Together with our technical and sales representatives, we will help you select the best system for your plant and application.

## EAGLE AEROGRAN SYSTEM

The Eagle Aerogran is a stand-alone system designed to dispense granular pigments with tremendous precision and complete reliability. The heart of the Aerogran is a gravity/vibrator feed system that is easy to maintain and less prone to breakdown than screw-fed systems.

### SPECIFICATIONS:

- 125 BBL – 1400 BBL
- Holds up to 250 lbs. slurry or 150 lbs. g-grade or c-grade dry
- Complete cleanout possible after every batch
- Mixers can be located as far as 80 ft. away & 40 ft. above dispenser vessel
- Stores up to 400 color formulas with optional expansion
- Each batch individually weighed for consistency
- Material dispensed to each mixer by flexible or rigid tubing

### OPTIONS:

- Transportable hopper dispensing
- Bulk bag hanger dispensing
- Dry pigment bagging station
- Dry/dry-wet slide rack dispensing
- Ready mix systems
- Paver block systems
- Single or double feed systems to mixer
- Fully integrated metering control with touch panel



## INDUSTEC EZ BLEND SYSTEM

An industry leader since 1986 with machines operating worldwide, Industec can customize your system to suit a wide variety of special applications. Shipped fully assembled and tested from the factory.

### SPECIFICATIONS:

- Weight resolution: 0.02 lbs or better
- Control: Automatic or manual
- Controls system PLC: Allen-Bradley or Direct Logic
- Control systems display: Color touchscreen
- Number of Blends: 4 per mixer
- Number of formulas: 500 or more
- Electrical: 120 VAC, 50/60 Hz, 15a
- Electrical protection: Circuit breakers
- Space requirements: 14' high, 18' width, 48" deep (standard 4-color system)
- Number base colors: 4 (standard), 5 or 6 optional
- Std. batch capacity: .10 lbs to 50 lbs
- Max. discharge distance: 100' or more, 30' or more rise
- Multiple mixer operation: Optional
- Alarms: Audible and visual, local and remote
- Air: Approximately 50 CFM @ 100 PSI
- Dust collector recommended



## STANDLEY MULTI-FLOW SYSTEM

Add the Standley Multi-Flow Color System to your batching plant for fast and accurate color dispensing. Perfect for mixing granules. From blocks & pavers to precast products & bagged mixes, the Standley system will meet your pigment delivery needs.

### SPECIFICATIONS:

- 125 BBL – 1400 BBL
- Holds up to 250 lbs. slurry or 150 lbs. g-grade or c-grade dry
- Complete cleanout possible after every batch
- Mixers can be located as far as 80 ft. away & 40 ft. above dispenser vessel
- Stores up to 400 color formulas with optional expansion
- Each batch individually weighed for consistency
- Material dispensed to each mixer by flexible or rigid tubing

### OPTIONS:

- Transportable hopper dispensing
- Bulk bag hanger dispensing
- Dry pigment bagging station
- Dry/dry-wet slide rack dispensing
- Ready mix systems
- Paver block systems
- Single or double feed systems to mixer – no delays
- Fully integrated metering control with touch panel



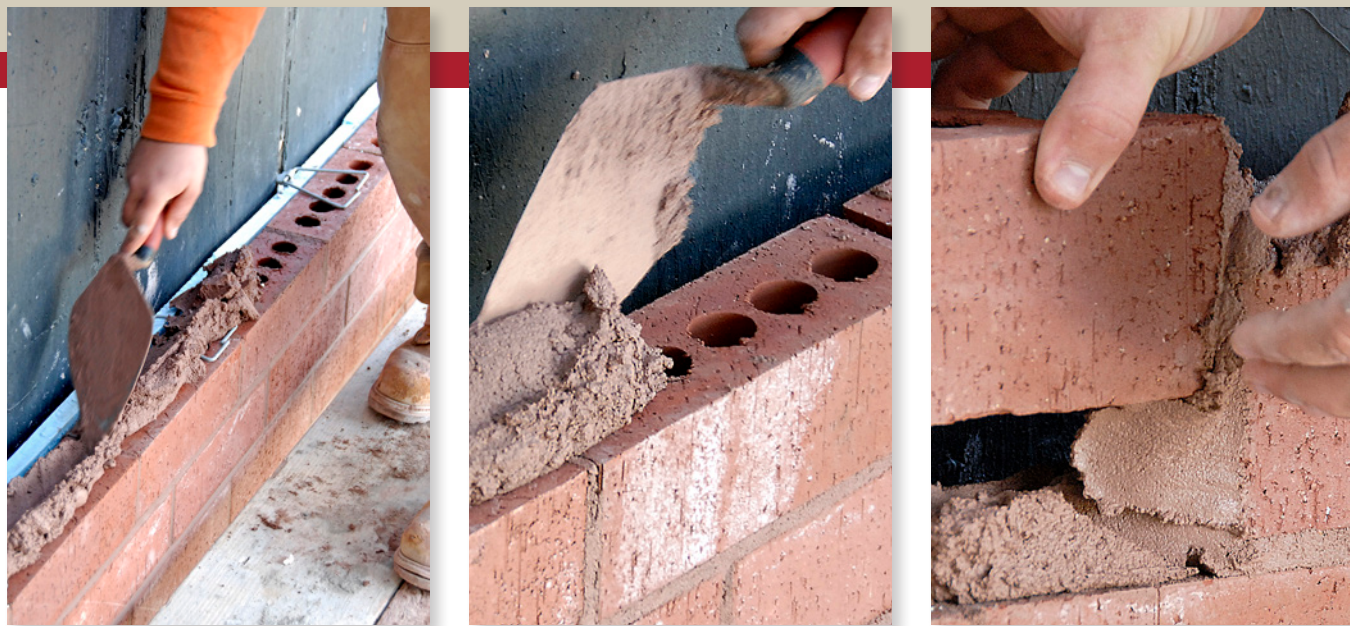
## WÜRSCHUM COM SYSTEM

Pneumatic conveying of granule and compact pigment directly into mixer or into a filter cyclone. Basic version with separate pressure vessel used as holding vessel. One hopper discharges into one pressure vessel, serving one mixer with diverter valves.

### SPECIFICATIONS:

- Dust-free discharge of weigh hopper and conveying vessel
- Short cycle time, up to 1 kg/second (2.2 lbs.) metering speed
- Separate conveying vessels for each mixer with COM 70-3 & COM 70-6
- Up to 6 preweighted batches can be held – ideal for "colormix" paver production
- Filter cyclone above mixer, as scale CF 40-S
- Rugged industrial steel support frame
- Coarse/fine metering with superfine option for extreme accuracy 5 g (0.2 oz.), with shutoff valve
- Fast pneumatic conveying
- Accurate electronic weighing
- Unlimited possibility of color shades
- Comprehensive customer support
- Modular design, configured to meet all plant requirements
- Starts weighing immediately after weigh hopper is empty
- Weighing can be done parallel, while batch is conveyed up to mixer – no delays
- Fully integrated metering control with easy to use touch panel





## Mortar Color



**SOLOMON COLORS MORTAR COLORS** have set the standard for decades as the most consistent and most frequently specified and used mortar colors. Consistent coloring and depth of color choices enhance the beauty and value of brick, stone, and colored concrete block. Mortar joints make up to 20% of a brick structure's surface area, so coloring the mortar beautifully enhances the building's appearance.

Masonry professionals rely on Solomon Colors Mortar Colors to provide consistent and reliable colors, making their job easier. Each package of Solomon Colors Mortar Color is pre-weighted and pre-measured to ensure accurate color consistency. Mortar colors are available in 60 standard colors in the A, H, and X Series Mortar Colors. Each package is designed as one color unit to be added to one bag of prepared masonry cement, or the weight equivalent of Portland and lime.

Distributors across the country carry Solomon Colors Mortar Colors, ensuring fast delivery and easy availability. As with other Solomon Colors coloring products, the Solomon Colors color laboratory can assist in color-matching and custom blending, making your project exciting and bringing your design to life. Whether you are building a new home or a new home field, Solomon Colors is the most trusted mortar color.



## ColorSelect® Dry Batching System

Bring ColorSelect accuracy and efficiency to mortar color with the patented Solomon Colors ColorSelect Dry Batching System. Use the automated Dry Batching System to accurately dose pigment to color mortar on your next masonry project.

### CONTROL

The ColorSelect Dry Batching System utilizes an easy-to-use, highly accurate, Windows-based touch screen control interface. Job stacking and system fault alarms – including missing bucket – minimize the risk of user error. Custom and preset colors are easily accessible from the menu. Reporting and batch ticket printing make system and material management simple.

### SOLOMON ADVANTAGE

All ColorSelect systems are designed and built by Solomon Colors in the United States.



ColorSelect®  
Dry Batching System

Designated Solomon Colors service technicians are available nationwide and around the clock for troubleshooting, preventative maintenance, and repair to keep your plant up and running.

### FLEXIBILITY

Solomon Colors ColorSelect systems offer unparalleled flexibility and adaptability. Dispense any number of colors with just three primary pigments. Simple electrical, network, and air requirements make placement simple. Modular designs and small footprints mean the

ColorSelect Dry Batching System can fit in even the most congested facilities.

### SPEED & ACCURACY

The ColorSelect Dry Batching system contributes to a fast, efficient job. Dispense between 12 and 15 lbs. of pigment per minute at an accuracy of +/- 0.05 lbs. Batch sizes can range between 2 and 35 lbs., making the Dry Batching System ideal for large and small jobs alike. Stacking totes and super sack refilling mean restocking doesn't need to slow operations.

### SPECIFICATIONS

- Target throughput: 12-15 lbs./min
- Batch size: Min: 2lbs.; Max: 35 lbs.
- Scale accuracy: +/- 0.01 lbs.
- System accuracy: +/- 0.05 lbs.
- Electrical: 110 V, 30 Amp
- Compressed air: 4.5 CFM @ 60 PSI

### FOOTPRINT

- 12' x 10' x 16'

### REQUIREMENTS

- Electric: 100 V, 30 Amp
- Compressed air: 4.5 CFM @ 60 PSI



**SGS SOLOMON  
COLORS, INC.**

*Making Concrete Beautiful Since 1927*



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