

Picasso™ SERIES

A Series of Decorative Ready Mixed Concrete Mixtures





INTRODUCTION

Picasso Series™ is a line of integrally colored concrete that provides the owner, architect, and contractor limitless, decorative options and gives the designer a creative license to develop a unique environment for the end-user.

Decorative concrete has become the new material of choice for designers across the United States where exterior aesthetic hardscapes or low maintenance interior floors are desired. Concrete can now be not only colored, stained, or painted, but also exposed, stamped, or etched. Architectural concrete usage has been increasing in retail stores, trendy restaurants, offices, and homes.

WHY PICASSO SERIES™?

The major advantage of **Picasso Series™** is that the color carries on throughout the entire concrete slab. Therefore, even after the surface is abraded or exposed to the weather or ultraviolet light over time, the color will remain the same.

Picasso Series™ integrally colored concrete products can be added to just about any application. The most popular applications include exterior flatwork, floors, walls, columns, countertops, and other decorative elements. For indoor applications, Picasso Series is a good alternative to shake-on color hardeners if maintenance & health issues are concerns.

Excellence at a glance

Aggregate Industries Management, Inc. is a leading provider of aggregate and construction materials to markets in the US. Since 1997, Aggregate Industries' quest to deliver value has been evidenced in countless prestige projects and a growing list of steadfast clientele.

At Aggregate Industries, we believe in environmental excellence, sustainability, and corporate responsibility. Over the years, these core beliefs have guided our award-winning business practices. Our pledge of corporate responsibility is illustrated by our continuous efforts to further reduce CO₂ emissions, improve energy and water efficiency, and ensure ISO 14001 compliance at all Aggregate Industries sites.

We remain focused on safety, maintaining a diverse and skilled workforce, and supporting employee training and development to fulfill our commitment.

Aggregate Industries understands that our business hinges on our constant and unyielding commitment to putting the customer first every time. We believe that customer service, quality products, and consistency should be the benchmarks of any building materials business and they make up core competencies of our Company.

We look forward to serving both our clients and the community at large, now and in the years to come.



INTEGRALLY COLORED CONCRETE

Picasso Series™ ensures the entire batch of concrete to be colored all the way through. The palette for **Picasso Series™** consists primarily of soft earth tones that integrate beautifully with most landscapes and architectural elements.

Picasso Series™ is ideal for your desire of achieving uniform tones or contrasting base shade for creating layers of color. **Picasso Series™** can be integrated with various techniques – stamped, patterned, acid etched, stained, exposed aggregate, and/or polished.



Picasso™ SERIES

OPTIONS

Option: Acid Etched/Stained

Benefits: Additional dimension; unlimited textures and color; easy maintenance; broader design flexibility



Option: Stamped/Patterned

Benefits: Limitless textures and patterns



Option: Exposed Aggregate

Benefits: Rugged & nonskid surface; resistant to heavy traffic and weather extremes



Problems that may arise during placing and finishing practices

- Addition of water to concrete surface
- A variation of finished surface textures
- Improper curing or sealing practices
- Variations in concrete mix proportions (especially water)
- Variations in water content

Suggested remedies

- Alter texture by sandblasting (may modify final appearance)
- Let the concrete age and check in 4-6 weeks after placement

Possible causes when concrete surface looks light or bleached

- Over watering of concrete mix
- Wet broom finishing
- Concrete finished with bleed water on surface
- Hot or cold weather conditions
- Efflorescence

Suggested remedies

- Clean the concrete surface
- Sandblast or acid etch performed per ASTM D 4260 (may alter final appearance)

Possible causes when color is blotchy

- Concrete not fully cured
- Concrete surface closed too early with magnesium floats and/or steel trowels
- Concrete surface burnished by hard troweling procedure
- Use of calcium chloride
- Variation in concrete setting due to job-site environment (i.e., sunny versus shady areas)
- Inconsistent sub-grade conditions (variations in depth and moisture)
- Improper curing or sealing practices
- Placed concrete during wet weather adding external moisture

Suggested remedies

- Let the concrete age and check in 4-6 weeks after placement
- Clean the concrete surface
- Sandblast or acid etch performed per ASTM D 4260 (may alter final appearance)
- After surface problem is removed, apply a quality recommended Sealer following recommendations on Tech-Data Bulletin





DOs & DON'Ts continued

Possible Causes for Nonuniform Brooming Texture

- Inconsistent broom moisture
- Changing broom direction
- Inconsistent brooming procedure
- Unsuitable or worn broom
- Use of different textured brooms (i.e., horsehair versus nylon)

Suggested Remedies

- Change the surface texture by sandblasting or acid etching performed per ASTM D 4260

Possible Causes for Efflorescence

- Job site water addition
- Use of calcium chloride
- Availability of soluble salts from subgrade or concrete, and water evaporation from surface
- Abundant environmental water

Suggested Remedies

- Clean concrete surface
- Sandblast or acid etch performed per ASTM D 4260 (may alter final appearance)
- After surface problem is removed, apply a quality recommended Sealer following recommendations on Tech-Data Bulletin

Possible Causes for Post Construction Discoloration

- Water marks from landscape irrigation and/or water runoff
- Efflorescence
- "Bird bath" depressions in finished surface
- Entrapped moisture
- Surface stains from external sources i.e., rust, oil, paint, deciduous trees, etc.
- Application of rock salt, calcium chloride or other deicing chemicals to the surface
- Use of landscape features such as potted plants

Suggested Remedies

- Clean concrete surface
- Sandblast or acid etch performed per ASTM D 4260 (may change final appearance)
- After surface problem is removed, apply quality recommended Sealer following recommendations on Tech-Data Bulletin



Proper Site Preparation

- Place concrete on a well-drained, damp subgrade that has adequate and uniform load bearing characteristics

Ordering

- Ensure that the desired color is clearly communicated and ordered from the supplier
- Order batch quantities at intervals to provide a consistent, steady supply of concrete to the job-site to ensure steady, sequential slab setting characteristics necessary for the available labor force to complete successful finishing operations
- Do not schedule deliveries of less than 2 cubic yards per load

Stamping

- Ensure proper timing for stamping: after the concrete is hard enough to support the stamping operation but plastic enough to provide full impression

Curing and Sealing

- Comply with ACI 308.1 Standard Practice for Curing Concrete
- For optimum performance and full color development, curing, sealing and coating materials should be used
- Seal all joints in areas subject to pedestrian or vehicular traffic

Finishing

- Use an evaporation film as needed to retard surfaces (it should be part of the test panel)
- Do not use wet finishing tools or brooms
- Do not sprinkle water onto the concrete surface
- Use wood bull-floats and hand-floats to keep the surface open
- Do not prematurely close the concrete surface with steel or magnesium finishing tools
- Do not finish bleed water onto the concrete surface





**Aggregate Industries
Management, Inc.**

7529 Standish Place, Suite 200
Rockville, MD 20855
www.aggregate-us.com
Tel: 301-795-1900
Fax: 301-795-1995

**Northeast Region
(MA & NH)**

1715 Broadway
Saugus, MA 01906
Tel: 781-941-7200
Fax: 781-941-7272

**Mid-Atlantic Region
(VA, DC, MD, & WV)**

6401 Golden Triangle Drive
Suite 400
Greenbelt, MD 20770
Tel: 301-982-1400
Fax: 301-837-5692

(SC)

2001 Taylor Street
Columbia, SC 29204
Tel: 803-254-4350
Fax: 803-343-2408

**Midwest Region
(IN)**

1700 Egbert Avenue
Goshen, IN 46528
Toll Free: 888-537-2050
Tel: 574-533-0415
Fax: 574-534-4528

(IL & WI)

Meyer Material
580 South Wolf Road
Des Plaines, IL 60016
Tel: 847-824-4111
Fax: 847-768-7094

(MN & ND)

2915 Waters Road
Suite 105
Eagan, MN 55121
Tel: 651-683-0600
Fax: 651-683-8108

**Western Region
(CO)**

1707 Cole Boulevard
Suite 100
Golden, CO 80401
Tel: 303-985-1070
Fax: 303-716-5295

(NV)

3101 E. Craig Road
N. Las Vegas, NV 89030
Tel: 702-649-6250
Fax: 702-642-2213