



Your Single Source For Innovative
Architectural Concrete Solutions

PATÈNE TERES by BOMANITE

System Guideline

The Patène Teres by Bomanite System incorporates Bomanite stains and dyes to color fully cured concrete. Once cured the concrete is ground to expose the desired type and amount of aggregate. Color is then incorporated into the surface followed by polishing to the required gloss level and treated with a Bomanite stain resist. The primary benefit of Bomanite Patène Teres is the ability to add topical color in a wide range of colors and looks using conventionally placed and finished, un-colored concrete.

The key to applying topical stains or treatments to concrete is porosity and penetration. Inadequate grinding of the concrete, as found with some competitive systems, results in a stained concrete surface that is susceptible to color walk off or wear. By grinding the concrete to a sand exposure at a minimum, the concrete is more receptive to color. In a Patène Teres System the color penetrates below the abrasion resistant aggregates and is then locked in place with the proprietary chemical hardening treatments. The use of skilled saw cutting or computer cut stencils along with advanced stain application techniques can achieve patterns or designs that transform concrete into art.

Patène Teres by Bomanite is intended primarily for new construction or major renovation projects. Full depth pours, both suspended and slab on grade along with un-bonded thick section toppings 3" or greater in thickness, are applicable applications for Patène Teres. Both the quality of the concrete and finishing are critical to the success of the completed system.

If a thin section, bonded topping version of Patène Teres is desired, consult the Modena by Bomanite System Guideline for more information on achieving the Patène Teres look.

FEATURES AND BENEFITS:

- **Stain applied to cured concrete**
- **Highly durable**
- **Good abrasion resistance**
- **Varied aggregate exposure**
- **Wide color selection**
- **Highly decorative options**



GENERAL INFORMATION:

Key Components of a Patène Teres System

Bomanite Concrete Dye: Dye dispersions formulated for use on ready-mixed concrete

Bomanite Chemical Stain: Reactive stains formulated for use on ready-mixed concrete

Bomanite Stabilizer Pro: Silane modified Lithium Silicate chemical hardener

Bomanite VitraFinish: Silane and Acrylic modified Lithium Silicate stain resist

Colors

Consult the Bomanite Patène Teres and Bomanite Chemical Stain Color charts for the full range of standard colors. Note that Bomanite Concrete Dye as depicted on the Patène Teres Color Chart is considered the standard coloring process. The use of Bomanite Chemical Stain as part of the Patène Teres process is considered somewhat more custom, requiring additional application techniques with some limitations.

Basic Application Information

Patène Teres by Bomanite System is installed exclusively by Bomanite Custom Polishing Licensees. The following technical information is a summary to aid in the understanding of the application process and to assist the specification process.

1. The concrete is conventionally placed and finished using power trowels.
2. The slab is cured preferentially with water or alternately treated with a dissipative wax based cure.
3. Protection is placed over the concrete during construction.
4. After the concrete has cured a minimum of 14 days the grinding and polishing process can be undertaken.
5. Initial light grinding exposes the desired amount of aggregate.
6. Control joints are filled with semi-rigid joint filler.
7. The staining process is undertaken.
8. The concrete is chemically hardened.
9. Subsequent polishing with progressively finer diamond impregnated tooling is undertaken to the desired gloss.
10. Final stain resistant and hardening treatment followed by burnishing of concrete completes the process.
11. The concrete is protected from chemical exposure until building occupation.

Maintenance

Consult the Bomanite Custom Polishing Maintenance Guideline for complete information on how to maintain polished concrete flooring.

Limitations

- Final color will be influenced by factors such as aggregate type and size, water content of concrete, environmental variations, color of concrete, etc. A thorough sampling and mock-up process is required as part of the installation of the system.
- Variation in aggregate exposure during the grinding process is controlled by the quality of the concrete more so than by the grinding process itself.
- Lack of protection from trade damage along with chemical exposure resulting in staining will detract from the quality of the finished product.
- Surface defects and repairs may be appreciably noticeable once the process is complete.

Warranty

Bomanite products are warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product.

Additional system information, technical bulletins and specifications are available online at www.bomanite.com or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.