

Wall Options & Methods

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Firmly rooted in our history, with an eye towards the future...

History is preserved in the things we build – our coliseums, temples, castles, government centers, universities and cities. Certainly, the history of man is captured in the history of architecture. The development of masonry construction made it possible. Stone provides its own beauty and elegance, but how to finish concrete and concrete block, yet retain the underlying permanence and strength?

Triarch coatings provide an ideal solution; providing a pleasing aesthetic value, functional long term performance at a reasonable price. Directly applied to cementitious and masonry substrates, Triarch coatings offer a cost effective means of wall finishing without sacrificing the construction schedule.

New Construction: New masonry and cement construction will last a very long time. But non-decorative masonry often imparts a utilitarian coldness to a space, not lending itself to thoughtful, human occupants. Conventional paint will change the color, but does little to improve the appearance and the same utilitarian coldness persists, be it interior or exterior.

Renovation: With door frames, window casings, electrical switch plates and outlets in place, changing an existing building can be complicated and expensive. Direct application of Triarch coatings negates the need to consider moving or purchasing new frames, casings, and electrical connections; making the project less expensive and faster. As suggested in the photo below, Triarch coatings may be applied over mixed substrates to result in a unified, continuous wall finish.



Glazed block and brick in an elementary school renovation about to receive SKIMM™; to be followed by Duroplex® system.

Step 1: Two options to cover up grout lines, block face, mortar joints to obtain a smooth substrate.

A: For less than 3/8" average wall imperfections:

SKIMM™

At over 85% solids, SKIMM provides a fast, cost effective means of smoothing and leveling concrete masonry units (CMU), brick or less than perfect concrete pours. High solids water-based acrylic material, like SKIMM, has very low shrinkage, resulting in a labor savings over alternative materials. Packaged in a 5-gallon pail, simply remove the lid and go. At the installers option, trowel, spray or texture roller apply directly to the substrate. Knife it flat, throwing the excess back into the pail for future use; very little material waste and no wasted labor preparing materials. With zero VOCs, SKIMM meets all LEED low emitting material criteria. SKIMM may be used interior or exterior and cures very hard with excellent adhesion. In many cases it may be directly applied to ceramic glazed block. With a perm rating of approximately 28, SKIMM may be directly applied to less than fully cured concrete ("green concrete"), as it allows embedded moisture to continue to evaporate through the SKIMM. See our data pages (T101) on our website for more details.

Picture below shows a CMU wall after application of SKIMM—still curing. The straight edge shows the degree of smoothness and wall leveling obtained with SKIMM (no light visible under straight-edge). Moisture is still present in the SKIMM making the grout lines obviously still visible, but smooth and flush to the touch.



B: for average 3/8" or greater wall imperfections:

REFORMIT™

For truly deep wall voids, use REFORMIT instead of SKIMM. Packaged dry in 50 lb bags, REFORMIT is a leveling material made from polymer modified cement with fiber reinforcing resulting in a chemical curing process. Suitable for interior or exterior use, REFORMIT may be applied up to 1/4" per coat, allowing rapid leveling of most wall surfaces. Simply mix REFORMIT powder with water and start applying. The acrylic modifier adds flexibility and anti-cracking characteristics, and the fibers add strength. See our data pages (T116) on our website for more details.

Exterior of new high school during construction. REFORMIT has been applied over CMU to level it. A coat of white primer as been applied on top of the REFORMIT in preparation for final finish system of Duroplex® EXT (exterior version of Duroplex).



Contemporary CMU construction using REFORMIT. Buildings will be finished with Duroplex EXT.



Step 2: Three Wall Finish Options

Duroplex®

With an almost unlimited color palette and dozens of patterns available, Duroplex provides a wide variety of design options to cover masonry substrates. At a cured surface hardness of approximately 80% of mild steel, Duroplex maintains all the positive characteristics of masonry construction – one tough wall. Integral and color fast pigmentation helps to visually hide any possible dings and prevents discoloration. Completely compatible with SKIMM and REFORMIT, the system breathes (28 perm rating) to allow any residual moisture in the masonry to evaporate through the coating system. Backed by a ten year warranty against any mold or mildew growth and ten year labor and materials warranty on product integrity, Duroplex will provide years of maintenance free performance on interior or exterior surfaces. **(See warranty documents for specific warranty representations and any exclusions)** Duroplex is also completely washable and scrubable, conforms to LEED Low VOC criteria, and Class A rate for flame and smoke. Past projects include stadiums, permanent and temporary military housing, courthouses, public aquariums, university housing, student centers, airports and hospitals. See our data pages (T102) on our website for more details.

At right, Duroplex over SKIMM over CMU walls for interior swimming pool.

Plexture®

Rapidly applied by airless spray and a texture spray rig, Plexture provides an economical solution to finishing masonry. Float the wall with either SKIMM or REFORMIT and rapidly apply Plexture to deliver a nicely finished wall meeting 3-star hotel standards. Integral and color fast pigmentation contribute to the performance package, making Plexture a long term solution. The Plexture system has a 21 perm rating so as not to trap any substrate moisture. Backed by a five year warranty against any mold or mildew growth and five year labor & materials warranty on product integrity, Plexture will provide years of maintenance free performance. **(See warranty documents for specific warranty representations and any exclusions)** Like its big sister Duroplex, Plexture is also completely washable and scrubable. It conforms to LEED Low VOC criteria, and is Class A rated for flame & smoke. Past projects include convention centers, BEQS, TLFS, municipal buildings, student housing, and pedestrian tunnels. See our data pages (T110) for more details.

Granyle™

Build with masonry, float with SKIMM, finish with Granyle to create an expensive looking stone wall for a fraction of the cost of structural or veneer stone. Suitable for the interior or exterior, Granyle Finish Coating system combines small aggregates and mica to produce a trowel applied stone veneer. Durable, rock hard, breathable, washable, impervious to water, UV stable, mold and mildew resistant, are but a few of the performance features of Granyle. Backed by a ten year warranty against any mold or mildew growth and ten year labor and materials warranty on product integrity, Granyle will provide years of maintenance free performance. **(See warranty documents for specific warranty representations and any exclusions)** See our data pages (T109) on our website for more details.



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Granyte System shown in
Zorro with gold.

Did You Miss This?

Recent Notable Projects (on our website)

- Mercedes of Tampa
- Embassy Suites San Antonio
- Camp Lejeune BEQ
- Clark County Government Ctr
- Did you know Granyte makes a great finish over cement board around outdoor pool, bar-b-que grills and patio areas? (May also want our Acrylic Glaze sealer)
- We have manufacturing /warehousing in GA, OK, CA, & RI. We have you covered.
- Our product MSDS (material safety data sheets) are located on our website.

www.triarchinc.com/msds

Corridor of typical BEQ with CMU construction after floating with SKIMM, before Plexture finish.



Below, Plexture over SKIMM in typical BEQ room. Almost completed



(below) GSA Building — Granyte shown in color: Raw Silk

