



**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The Internet address for GSA Advantage! is: <http://www.gsaadvantage.gov>

**FEDERAL SUPPLY SCHEDULE CONTRACT FOR FSC GROUP 56
BUILDINGS AND BUILDING MATERIALS/INDUSTRIAL SERVICES AND SUPPLIES**

CONTRACT NUMBER:
GS-07F-0202T

PERIOD COVERED BY CONTRACT:
February 1, 2007 through January 31, 2012

Stoncor Group, Inc. d/b/a Stonhard
One Park Avenue
Maple Shade, NJ 08052
Phone: (800) 257-7953
Fax: (856) 321-7525
www.stonhard.com

General Services Administration
Management Services Center Acquisition Division
Supplement # _____, dated _____

Business Size: **SMALL**
DUNS: **00-321-8484**

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at
<http://www.fss.gsa.gov>.

GSA AWARDED TERMS AND CONDITIONS STONHARD

- 1a. Table of awarded special item numbers with appropriate cross-reference to item descriptions and awarded prices.

SIN 563-6 - Access and Portable Flooring

SIN 563-98 - Ancillary Services relating to Building Materials
- 1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract.

SIN 563-6 - Stonclad Texture 2
Model/Part No. txt 2, GSA Price: \$.04

SIN 563-98 – Core Analysis, GSA Price: \$436.98
2. Maximum order. **\$75,000**
3. Minimum order. **NONE**
4. Geographic coverage (delivery area). **48 Contiguous US States, Washington DC, Alaska, Hawaii, Puerto Rico & US Territories.**
5. Point(s) of production (city, county, and State or foreign country).
Stonhard
One Park Avenue
Maple Shade, NJ 08052
Burlington County
(800) 257-7953

Stonhard
3610 Centennial Drive
Ft. Wayne, IN 46808
Allen County
(800) 257-7953
6. Discount from list prices or statement of net price. **Net GSA pricing is listed in the attached pricing tables**
7. Quantity discounts. **See attached pricing for details**
8. Prompt payment terms. **0%, Net 30**
- 9a. Notification that Government purchase cards are accepted at or below the micro-purchase threshold. **Yes**
- 9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold. **Yes**
10. Foreign items (list items by country of origin). **NOT APPLICABLE**
- 11a. Time of delivery. **Please contact Stonhard for details.**

- 11b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery.

Products are available for expedited delivery. Expedited delivery time is Negotiated between Contractor and Ordering Agency

- 11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery.

Products are available for expedited delivery. Expedited delivery time is Negotiated between Contractor and Ordering Agency

- 11d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery.

Products are available for urgent delivery. Urgent delivery time is Negotiated between Contractor and Ordering Agency

12. F.O.B. point(s). **FOB ORIGIN - Freight Allowed.**

- 13a. Ordering address.

**Stoncor Group, Inc. d/b/a Stonhard
One Park Ave.
Maple Shade, NJ 08052
(PHONE) (800) 257-7953
(FAX) 856-321-7525**

- 13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).

14. Payment address.

**Stonhard
P.O. Box 931947
Cleveland, OH 44193
(PHONE) (800) 257-7953
(FAX) 856-321-7525**

15. Warranty provision. **Standard Commercial**

16. Export packing charges, if applicable. **NONE**

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level). **SAME**

18. Terms and conditions of rental, maintenance, and repair (if applicable). **NOT APPLICABLE**

19. Terms and conditions of installation (if applicable). **CONTACT STONHARD FOR DETAILS.**

- 20a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable). **NOT APPLICABLE**
- 21. List of service and distribution points (if applicable). **NOT APPLICABLE**
- 22. List of participating dealers (if applicable). **NOT APPLICABLE**
- 23. Preventive maintenance (if applicable). **NOT APPLICABLE**
- 24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). **NONE**
- 24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/. **NOT APPLICABLE**
- 25. Data Universal Number System (DUNS) number. **00-321-8484**
- 26. Notification regarding registration in Central Contractor Registration (CCR) database.

CAGE Code # 52287 Registration valid until 07/16/2008.

STONHARD

GSA Pricelist GS-07F-0202T

SIN	Product Name	Product Description	Components	Units	GSA Price	Warranty	COO
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Flooring Systems I

Products

Additional Quantity Discount on Flooring Systems I ONLY
For 11-20 Units, 5% in addition to the GSA Pricing
For 21-50 Units, 10% in addition to the GSA Pricing
For 51+ Units, 15% in addition to the GSA Pricing

563-6	Stonclad GS	Concrete Primer, 1/4" Epoxy Mortar with Topcoat. For General Service Use. Covers 200 sqft per unit. 100% Solids Epoxy.	Std Primer/GS/GS4	Sq. Ft.	\$6.48	1 Year	US
563-6	Stonclad HT	Concrete Primer, 1/4" Epoxy Mortar with Topcoat. For High Temp. Use. Covers 200 sqft per unit. 100% Solids Epoxy	Ht Primer/HT/HT4	Sq. Ft.	\$8.69	1 Year	US
563-6	Stonclad UT	Liquid Rich, Self Priming, 1/4" Urethane Mortar Floor System. Applied to Concrete. Covers 200 sqft per unit. 200 Sqft.	UT (any texture)	Sq. Ft.	\$8.56	1 Year	US
563-6	Stonclad XP	Concrete Primer, 1/4" Epoxy Mortar with Topcoat. for Conductive Use. Covers 200 sqft per unit. Comes in Black Only.	Std Primer/XP/XP Sealer	Sq. Ft.	\$15.05	1 Year	US
563-6	Stonshield HRI	Concrete Primer, 3/16" Epoxy Mortar w/ Decorative Broadcast and Topcoat. Covers 300 sqft. per Unit. Solid or Tweed Colors.	Std Primer/HRI	Sq. Ft.	\$6.07	1 Year	US
563-6	Stonshield SLT	Concrete Primer, 2 mm Decorative Broadcast and Topcoat. Covers 300 sqft. per Unit. Solid or Tweed Colors	Std Primer/SLT	Sq. Ft.	\$3.88	1 Year	US
563-6	Stonshield ATS (3)	Concrete Primer, 3/16" Conductive Decorative Epoxy Mortar w/ Broadcast and Topcoat. Covers 300 sqft. Per Unit.	Std Primer/3/16" ATS	Sq. Ft.	\$8.47	1 Year	US
563-6	Stonshield ATS (2)	Concrete Primer, 2mm Conductive Decorative Broadcast and Topcoat. Covers 300 sqft. per Unit.	Std Primer /2mm ATS	Sq. Ft.	\$5.39	1 Year	US
563-6	Stonshield UTS	1/4" Decorative Textured Urethane Mortar w/ Broadcast and Topcoat. Used in Services up to 250f. Covers 200 Sqft. Per Unit.	UTS	Sq. Ft.	\$8.69	1 Year	US

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Flooring Systems I

Products

Additional Quantity Discount on Flooring Systems I ONLY
For 11-20 Units, 5% in addition to the GSA Pricing
For 21-50 Units, 10% in addition to the GSA Pricing
For 51+ Units, 15% in addition to the GSA Pricing

563-6	Stonshield URT	Textured 2mm Decorative Aspartic Urethane Broadcast with Topcoat. Chemical & Stain Resistant. Covers 200 Sqft. Per Unit.	URT	Sq. Ft.	\$7.73	1 Year	US
563-6	Stonshield ART	Acrylic Light Duty 2mm Decorative MMA Broadcast with Topcoat. Rapid Installation time. Covers 200 Sqft. Per Unit.	ART	Sq. Ft.	\$8.11	1 Year	US
563-6	Stonblend GSI	Concrete Primer, 3/16" Decorative Epoxy, Grout Coat and Clear Urethane Topcoat. Terrazzo Alternative. Covers 200 Sqft. Per Unit.	Blend Primer/GSI/Stonshie Id Sealer	Sq. Ft.	\$8.25	1 Year	US
563-6	Stonblend RTZ	Concrete Primer, 3/16" Decorative Urethane Base Coat and Topcoat. Resilient Terrazzo with Rubber Aggregates. Covers 210 Sqft. Per Unit.	Std / SL Primer RTZ	Sq. Ft.	\$10.12	1 Year	US
563-6	Stontec ERF	2mm Decorative Epoxy Flake Floor Composed of Concrete Primer, Undercoat, Quartz Broadcast, Vinyl Flakes and Topcoat. Covers 200 Sqft. Per unit.	Std Primer ERF	Sq. Ft.	\$5.51	1 Year	US
563-6	Stontec UTF	2mm Aspartic Urethane Flake Floor Composed of Concrete Primer, Undercoat, Quartz Broadcast, Vinyl Flakes and Topcoat. Covers 200 Sqft. Per Unit.	UTF	Sq. Ft.	\$8.61	1 Year	US
563-6	Stontec ARF	2mm MMA Flake Floor Composed of Concrete Primer, Undercoat, Vinyl Flakes, Flexible Sealer and Topcoat. Covers 200 Sqft. Per Unit.	ARF	Sq. Ft.	\$9.21	1 Year	US
563-6	Stonshield MRT	Concrete Primer, 1/8" Decorative Epoxy Broadcast with Waterproofing Membrane and Topcoat. Covers 300 sqft. per Unit.	Std / SL Primer MRT	Sq. Ft.	\$4.50	1 Year	US

SIN	Product Name	Product Description	Components	Units	GSA Price	Warranty	COO
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Flooring Systems II

Products

563-6	Stonlux ATK (2)	2 mm Conductive Epoxy Self Leveling Floor Composed of (2) Concrete Primers and Liquid Rich Flowing Floor System. Covers 60 Sqft. Per Unit.	Std / SL ATK Primer /2mm ATK	Sq. Ft.	\$7.59	1 Year	US
563-6	Stonlux ATK (3)	3mm Conductive Epoxy Self Leveling Floor Composed of (2) Concrete Primers and Liquid Rich Flowing Floor System. Covers 40 Sqft. Per Unit.	Std / SL ATK Primer /3mm ATK	Sq. Ft.	\$10.87	1 Year	US
563-6	Stonshield SL (2)	2mm Epoxy Self Leveling Floor Composed of (2) Concrete Primers and Liquid Rich Flowing Floor System. Covers 50 Sqft. Per Unit.	Std / SL Primer / 2mm SL	Sq. Ft.	\$5.23	1 Year	US
563-6	Stonshield SL (3)	3mm Epoxy Self Leveling Floor Composed of (2) Concrete Primers and Liquid Rich Flowing Floor System. Covers 40 Sqft. Per Unit.	Std / SL Primer / 3mm SL	Sq. Ft.	\$6.42	1 Year	US
563-6	Stonflex LTE	40 mil Epoxy Coating with Waterproof Membrane Composed of (2) Concrete Primers, Elastomeric Membrane and Topcoat. Covers 300 Sqft. Per Unit.	Std / SL Primer/ME7/GS4	Sq. Ft.	\$2.92	1 Year	US
563-6	Stonflex HPE	50 mil Polyurea Composed of (2) Concrete Primers and Spray Applied 100% Solids Elastomeric Lining System. Covers 320 Sqft. Per Unit.	HT / SL Primer/HPE	Sq. Ft.	\$5.00	1 Year	US
563-6	Stonkote HB4	25 mil Epoxy Self Leveling Floor Composed of (2) Concrete Primers and High Build Notched Squeegee Applied Flooring. Covers 250 Sqft. Per Unit.	Std / SL Primer/ HB4	Sq. Ft.	\$1.97	1 Year	US

SIN	Product Name	Product Description	Components	Units	GSA Price	Warranty	COO
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Complementary Materials

Cove Base							
563-6	Stonclad UT Cove Base	4" Urethane Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonclad UT Flooring Systemrs. Covers 200 Linft. Per Unit.	HT Primer / HT	Lin. Ft.	\$7.66	1 Year	US
563-6	Stonshield Cove Base	4" Decorative Epoxy Broadcast Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonshield Flooring Systems. Covers 230 Linft. Per Unit.	HT Primer/Stonshied Cove Base	Lin. Ft.	\$3.28	1 Year	US
563-6	Stonshield ART Cove Base	4" Decorative MMA Broadcast Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonshield ART Flooring System. Covers 230 Linft. Per Unit.	PM5/Stonshied Cove Base	Lin. Ft.	\$6.79	1 Year	US
563-6	Stonshield URT Cove Base	4" Decorative Aspartic Urethane Broadcast Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonshield URT Flooring System. Covers 230 Linft. Per Unit.	PM5/Stonshied Cove Base	Lin. Ft.	\$6.79	1 Year	US
563-6	Stonclad GS Cove Base	4" General Service Epoxy Floor Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonclad GS Flooring System. Covers 200 linft. Per Unit.	HT Primer / GS/GS4	Lin. Ft.	\$6.15	1 Year	US
563-6	Stonclad HT Cove Base	4" Chemical Resistant Epoxy Floor Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonclad HT Flooring System. Covers 200 linft. Per Unit.	Ht Primer/HT/HT4	Lin. Ft.	\$8.02	1 Year	US
563-6	Stonshield ATS Cove Base	4" Decorative Conductive Epoxy Cove Base (LF) Composed of Primer, Cove Strip and Trowel Applied Cove. Used with Stonshield ATS Flooring System. Covers 230 Linft. Per Unit.	Std Primer/ATS Cove	Lin. Ft.	\$3.78	1 Year	US
563-6	Stonblend GSI Cove Base	4" Decorative Epoxy Terrazzo Alternative Cove Base (LF) Composed of Primer, Cove Strip and trowel Applied Cove. Used with Stonblend GSI Flooring System. Covers 200 Linft. Per Unit.	Blend Primer/GSI	Lin. Ft.	\$7.53	1 Year	US
563-6	Stontec ARF Cove Base	4" MMA Flake Floor Cove Base (LF) Composed of Cove Strip and trowel Applied Cove. Used with Stontec ARF Flooring System. Covers 200 Linft. Per unit.	ARF	Lin. Ft.	\$9.21	1 Year	US
563-6	Stontec ERF Cove Base	4" Epoxy Flake Floor Cove Base (LF) Composed of Primer, Cove Strip and trowel Applied Cove. Used with Stontec ERF Flooring Systems. Covers 200 Linft. Per Unit.	Std Primer ERF	Lin. Ft.	\$5.41	1 Year	US
563-6	Stontec UTF Cove Base	4" Aspartic Urethane Flake Floor Cove Base (LF) Composed of Cove Strip and Trowel Applied Cove. Used with Stontec UTF Flooring System. Covers 200 Linft. Per unit.	UTF	Lin. Ft.	\$8.61	1 Year	US
563-6	Patching Mortar	GMP Cove Base (LF) Composed of 100% Solids Epoxy Patching Mortar. Covers 830 Cubic Ft. Per Unit.	PM5	Lin. Ft.	\$3.82	1 Year	US

SIN	Product Name	Product Description	Components	Units	GSA Price	Warranty	COO
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Wall Systems

563-6	Stonglaze VSC	Wall Primer and 10 mil High Performance Wall System. High Solids, High Performance Epoxy Wall Glaze Coating. Covers 500 Sqft. Per Unit.	VSC Primer / VSC	Sq. Ft.	\$2.07	1 Year	US
563-6	Stonglaze VSD	Wall Primer and 25 mil Fiberglass Reinforce High Performance Wall System. Consisting of Saturant, Engineering Fabric and Topcoating. Covers 400 Sqft. Per Unit.	VSC Primer / VSD	Sq. Ft.	\$5.18	1 Year	US
563-6	Stonglaze VSE	Wall Primer and 25 mil Flexible Urethane Wall System. Flexible Wall Coating Material. Covers 300 Sqft. Per Unit.	VSC Primer / VSE	Sq. Ft.	\$4.18	1 Year	US

Floor Coating Systems & Textures

563-6	Deck Coating System	4 Coat Epoxy Urethane Floor Coating Includes Concrete Primer, Two (2) coats of Epoxy and One (1) coat of Urethane.	HT Primer/GS4/GS4/GS6	Sq. Ft.	\$1.94	1 Year (adhesion only)	US
563-6	Additional GS4	Extra Coat of Epoxy Coating (Topcoat) on General Service Mortar. Each Unit covers 400sqft.	GS4	Sq. Ft.	\$0.46	1 Year	US
563-6	Additional HT4	Extra Coat of Epoxy Coating (Topcoat) on Chemical Resistant Mortar. Each Unit Covers 400 sqft.	HT4	Sq. Ft.	\$0.74	1 Year	US
563-6	Recoat GS (2 Coat)	Recoat General Service Epoxy. Two (2) coats of Epoxy Topcoat. 400Sqft. Per Coat / Per Unit	GS4/GS4	Sq. Ft.	\$0.93	1 Year	US
563-6	Recoat HT (2 Coats)	Recoat Chemical Resistant Epoxy. Two (2) coats of Epoxy Topcoat. 400Sqft. Per Coat / Per Unit	HT4/HT4	Sq. Ft.	\$1.48	1 Year	US
563-6	Stonclad Texture 2	Mix In Texture for Epoxy Coatings. Mixed in the Topcoat, Squeegee and Backrolled. For Use with 3 Units of GS4 Topcoat.	txt 2	Sq. Ft.	\$0.04	1 Year	US
563-6	Novolac Conductive Topcoat	Novolac Conductive Topcoat on Epoxy Mortar Comprised of Primer and Topcoat.	Conductive Novolac Primer/691	Sq. Ft.	\$2.05	1 Year	US
563-6	Epoxy Conductive Topcoat	Conductive Topcoat on Epoxy Mortar Consisting of Primer and Topcoat.	ATK primer, AT5	Sq. Ft.	\$1.48	1 Year	US
563-6	Stonclad Texture 3 for GS System	Broadcast Texture in General Service Epoxy. Squeegee and Backroll Applied. Covers 200 Sqft per bag. Included Additional Topcoat Needed to Achieve the Texture.	txt 3/GS4	Sq. Ft.	\$0.88	1 Year	US
563-6	Stonclad Texture 3 for HT System	Broadcast Texture in Chemical Resistant Epoxy. Squeegee and Backroll Applied. Covers 200 Sqft per bag. Included Additional Topcoat Needed to Achieve the Texture.	txt 3/HT4	Sq. Ft.	\$1.28	1 Year	US

SIN	Product Name	Product Description	Components	Units	GSA Price	Warranty	COO
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Grouts / Sealants / Membranes

563-6	Stonset OP2	Concrete Primer and 1/8" Osmotic Grout Used in High Moisture Transmission Concrete. Covers 200 Sqft. Per unit.	OP2 Primer/OP2	Sq. Ft.	\$1.39	1 Year	US
563-6	Stonset TG5	Concrete Primer, Epoxy Grouting Filling and Top Primer. Fast Setting & Trowelable. Covers 2.0 Cubic Ft. Per Unit.	Std Primer/TG5/Stonset Primer	Cu.Ft.	\$84.63	1 Year	US
563-6	Stonset TG4	Concrete Primer, Epoxy Grouting Pitching and Top Primer. Fast Setting & Trowelable. Covers 2.75 Cubic Ft. Per Unit.	Std Primer/TG4/Stonset Primer	Cu.Ft.	\$71.76	1 Year	US
563-6	Stonset TG6	Concrete Primer, Urethane Grouting Filling and Top Primer. For Use Under Stonhard Urethane Products. Covers 2.67 Cubic Ft. Per Unit.	Urethane Primer / TG6 / Urethane Primer	Cu.Ft.	\$127.05	1 Year	US
563-6	Stonset QS5	100% Solids Epoxy Patching Material. Quick Setting Patching Material. Covers 175 Cubic Inches Per Unit.	Stonset QS5	Cu.In.	\$0.35	1 Year	US
563-6	Wall Patching Mortar	Wall System Patching per Gallon Consists of 2 gal. Pail that Covers 830 Cubic Inches Per Unit.	PM5	Units	\$286.64	1 Year	US
563-6	Stonproof Crack Treatment	Joints and Crack Treatment Consisting of Elastomeric Epoxy and 12" Wide Fiberglass Mesh. Covers 100 Lin. Ft. Per Unit at 12" Wide.	Stonproof CT5	Lin. Ft.	\$3.43	1 Year	US
563-6	Stonproof MP7	Urethane Floor Joint 1/8" wide (LF). Used to Treat Moving Joints in the Flooring System. Covers 350 Cubic Inches Per Unit.	MP7	Cu.In.	\$0.38	1 Year	US

Maintenance Products

563-6	Stonklean AF2	Durable High Gloss Buffable Floor Finish. Supplied in 5 Gal. Pails	Stonklean AF2	Pail	\$115.87	N/A	US
563-6	Stonklean AS9	Floor Finish Stripper/Reliquifier to Remove Age, Spray Buffed and Multiple Layers of Floor Finish. Supplied in 5 Gal. Pails.	Stonklean AS9	Pail	\$81.57	N/A	US
563-6	Stonklean DC9	Neutral Disinfectant/Cleaner - Control Bacteria. Supplied in 5 Gal. Pails.	Stonklean DC9	Pail	\$70.45	N/A	US
563-6	Stonklean DG9	Industrial Strength Cleaner & Degreaser. Supplied in 5 Gal. Pails.	Stonklean DG9	Pail	\$81.57	N/A	US
563-6	Stonklean NC9	Neutral Cleaner Designed to Maintain Floors Coated with Acrylic's. Supplied in 5 Gal. Pails.	Stonklean NC9	Pail	\$46.35	N/A	US

Labor

Additional Services

563-98	Bonding	Performance and Payment Bonds per Thousand dollars ea	Per \$1,000 in Total Material Cost	Each	\$14.86	N/A	US
563-98	Core Analysis	Determine Condition of Substrate Prior to Flooring Recommendation.	Per Core	Each	\$437.00	N/A	US
563-98	Moisture Transmission Testine	Calcium Chloride Test Kits Used to Evaluate Capillary Vapor Transmission in Substrate.	Per Test Kit	Each	\$110.08	N/A	US
563-98	Floor Inspection Service	Consult on condition of floor and make recommendations on proper flooring solution.	Day	Day	\$550.38	N/A	US



STONHARD GOVERNMENT SOLUTIONS

PERFORMANCE WITH A SINGLE SOURCE WARRANTY

Stonhard is the world-leading manufacturer and installer of seamless, high-performance polymer floor, wall and lining systems for more than 80 years. These proven systems are engineered to last without sacrificing creative vision. We offer solutions to satisfy demanding design specifications for any and every environment. And we work with you directly from start to finish so you are protected with our single source warranty on both products and workmanship.

OUR CORPORATE COMMITMENT

We are committed to your individual project and we have the network to prove it. Count on coordination of project management, on-time performance, adhering to budgets and definitive site logistics. You will work with your local Stonhard Territory Manager as well as a Stonhard Construction Manager - dedicated explicitly to your project, our Project Manager, Architectural/Engineering professional and support staff. From initial site evaluation to final walk-through, this group of Stonhard specialists is available to you.

Safety Resources & the Details

On-site safety is a critical part of our installation process. We maintain a safe working environment and adhere strictly to codes and regulatory guidelines, including appropriate documentation. We also have a team of safety experts to answer questions and provide guidance. At Stonhard, we're all about the details.

LIFE CYCLE COSTS & GSA CONTRACTING

Smooth, durable, easy to maintain, chemical, impact, abrasion & stain-resistant floors – designed to last. Fewer repairs, less maintenance so you have the best return on your investment. Stonhard has its GSA contract in place and a small business-contracting plan to meet your requirements. We can work with outside design build firms, engineering firms and onsite contractors or directly with your agency. We can also help you get LEED certified.



QUALITY. PEOPLE. PRODUCTS. SERVICE. THE STONHARD DIFFERENCE

Hangers

Barracks/Showers/Locker Areas

Hospitals

Assembly/Service Areas

Sorting/Distribution Areas

Labs/Research

Commissaries/Food Service

Chemical processing/Fuel Storage

Maintenance/Shop Areas

Public/Mechanical Areas

STONHARD
One Park Avenue • Maple Shade, NJ
(800) 257-7953 • www.stonhard.com

Government Solutions

STONCLAD GS

- General service mortar system
- Impact & abrasion resistant
- Chemical resistant

STONCLAD PT

- Power trowelable mortar formulation
- Rapid installation time
- Impact & abrasion resistant

STONCLAD HT

- Ultra corrosion resistant mortar system
- Impact & Abrasion resistant
- Withstands to 200°F/93°C – 250°F/121°C

STONCLAD UT

- Urethane textured mortar system
- Withstands thermal shock/cycling
- Impact & abrasion resistant

STONCLAD XP

- Conductive mortar system
- Non-sparking/Explosion proof
- Impact & abrasion resistant

STONSHIELD HRI

- Slip resistant & sanitary mortar system
- Easy to clean & impact resistant
- Safe & cost effective

STONSHIELD SLT

- Textured & slip resistant mortar system
- Easy to clean & cost effective
- Formulated for institutions and hospitals

STONSHIELD ART

- Light duty, slip resistant acrylic polymer system
- Rapid installation time
- Chemical resistant

STONSHIELD UTS

- Textured, polyurethane mortar system
- Withstands thermal shock/cycling
- Quartz aggregate system

STONSHIELD URT

- Textured, chemical & stain resistant mortar system
- Minimal installation time
- Low odor during installation

STONSHIELD ATS

- Textured, conductive mortar system
- Static control
- Ideal for use in AGV

STONBLEND RTZ

- Distinctive mortar system with rubber aggregate
- Ergonomic & sound reducing
- Stain and wear resistant

STONBLEND GSI

- Stylized mortar system
- Alternative to terrazzo
- Stain and wear resistant

STONTEC ERF

- Vinyl flake system
- For areas requiring no renovations
- Minimum downtime

STONTECT UTF

- Urethane based system
- Chemical resistant
- High gloss finish

STONTECT ARF

- Methyl methacrylate resin system
- For new construction/Critical path projects
- Chemical and stain resistant

SYSTEM NAME	DESCRIPTION	FEATURES/BENEFITS	SOME TYPICAL APPLICATIONS
Stonclad GS (Epoxy Troweled Mortar)	1/4 inch thick mortar Solid Color 4 mil topcoat Multiple texture options	-Economical -High impact and abrasion resistance -Good chemical resistance -Temperature deltas up to 100F	Hangars / Commissaries / Assembly & Service Areas / Loading Docks / Restrooms & Showers / Maintenance Shops / General Concrete Rehabilitation & Protection
Stonclad HT (Epoxy Troweled Mortar)	1/4 inch thick Novolac Epoxy Mortar Solid Color 4 mil topcoat Multiple texture options	-High impact and abrasion resistance -Excellent chemical resistance -Temperature deltas up to 80F	Kitchens without thermal shock / Light Duty Chemical Production and Storage
Stonclad UT / Stonshield UTS (Urethane Troweled Mortar)	1/4" thick mortar and coating, Urethane-urea chemistry, Solid Color or clear topcoat – UT 3 different textures	-Thermal shock, thermal cycle and heat resistant to 250F -Temperature deltas up to 180F -Less sensitive to environmental conditions during install -Virtually the same coefficient of expansion as concrete	Kitchens with thermal shock / High Thermal Shock Areas / Organic Acid (Food Prep)
Stonkote HB4 (High Build Coating System)	20 to 30 mil Coating System, 100% solids, Applied with a V-notched rake and roller finished.	-High build Coating for New Hangar Applications -Durable, High Gloss Finish -Easy to Clean and Maintain -Can incorporate an Aluminum Oxide Broadcast and Polyurethane Topcoat(s)	Hangars Floors (New Construction or Smooth Concrete)
Stonshield SLT (Epoxy Broadcast)	1/8" Broadcast System, Multicolored Aggregate, 2 textures - standard/medium	-Economical -Slip resistant (medium texture has a 0.7 coefficient of friction) -Decorative, multicolored (easy to customize)	Barracks / Break rooms / Bathrooms / Labs / Foot traffic *to be installed on new substrates*
Stonshield HRI (Epoxy Mortar & Broadcast)	3/16" mortar/broadcast system, (1/8" troweled mortar with 1/16" broadcast and clear topcoat(s)	-Will not allow substrate imperfections to shadow through overlayment -Slip resistant (medium texture has a 0.7 coefficient of friction) -Decorative, multicolored (easy to customize)	Barracks / Showers / Locker Areas / Break rooms / Bathrooms Medium traffic Conditions
Stontec (Vinyl Flake Broadcast)	Epoxy, Urethane, MMA Versions of this 1/16" fast cure decorative flake.	-Decorative Flake System, -Excellent chemical & stain resistance	Barracks / Animal Rooms / Procedure Areas / Restrooms / Corridors / Break rooms / Food Service Areas
Stonblend RTZ (Rubberized Terrazzo)	3/16" Urethane / Rubber resilient flooring with the look of terrazzo.	-Highly decorative -Mar resistant, hides scratches and imperfections -Stain resistant, Resilient -Can utilize color patterns/terrazzo strips for a terrazzo look -Sound dampening -Installs 1/3 quicker than traditional terrazzo -No striping and waxing – cost savings for owner	Commissaries / Bathrooms, Hallways / Lobbies / Common Areas / Operating Rooms / Healthcare & Hospital Applications

STONHARD *Solutions*

NASA Conquers Yet Another Frontier – Their Floors

In October 1958, the National Aeronautics and Space Administration (NASA) was created in the United States. Over the next twenty years, more than 1,600 space-craft were launched and twelve men walked on the moon.

With this success comes a reputation for universally high standards. So, when more than 60,000 square feet of eight month old vinyl tile began disbonding at Cape Canaveral's Kennedy Space Center, a better flooring solution became high priority.

The Space Station Processing Facility (SSPF) is where NASA stages and loads shuttle payloads, including International Space Station Alpha flight hardware and the shuttle/Mir docking module. This three story, 457,000 square foot building includes 63,000 square feet of space shuttle element processing areas, airlock, operational control rooms, labs, logistical areas and office space for more than 1,000 NASA employees.

The processing and airlock areas were designed to support non-hazardous space station and shuttle payloads in Class 100,000 clean room areas. These areas are routinely exposed to harsh physical abuse from air pallets and chemical attack from Hypergol, a corrosive, highly flammable rocket fuel. In addition, sensitive electronic components are handled here which must be protected from ESD damage.

Originally, these critical areas were overlaid with a well known conductive vinyl tile. This tile



A space station laboratory at NASA's Kennedy Space Center in Cape Canaveral, Florida.

was installed in May of 1994. However, only eight months after the initial installation, the tile began to delaminate.

This floor weakness was further compounded by the presence of the air pallets used to move equipment and materials throughout the facility. The force created by these air pallets caused the tile seams to fail and blew the tiles off the floor.

This floor failure exposed the concrete substrate to the corrosive Hypergol fuel. Additionally, the area was now susceptible to ESD events which could damage electronics and endanger personnel.

NASA's management moved quickly to solve their flooring issues. The flooring system had to be strong and seamless to combat the aggressive abuse from air pallets and their heavy loads, non-sparking to prevent the

Hypergol from igniting, conductive to prevent ESD damage to sensitive electronic equipment and, finally, able to meet the standards of a clean manufacturing process.

Stonhard's Stonlux ATK fit this tall bill. This conductive, seamless epoxy flooring system was installed at Kennedy Space Center by one of Stonhard's own specially trained crews.

Before installation could begin, however, the crew had to remove what remained of the vinyl tile and overlay the substrate with Stonfil OP2, a polymer modified, cementitious, osmotic pressure resistant grout. This grout was applied to eliminate problems associated with osmotic pressure from the negative side of the floor slab.

Finally, the Stonlux system was installed. First, a series of two separate primers was applied to

the substrate to provide exceptional adhesion between the concrete and the Stonlux ATK flooring system. Grounding plates were then set into the second layer of conductive primer (AT Primer) to provide a controlled ground point.

Once the AT Primer was tack-free, the Stonlux ATK was applied with a V-notched rake in open areas and a V-notched hand trowel in more confined or detailed areas. The notch allows the self-leveling Stonlux ATK material to flow through to the necessary thickness. A spike roller was then used to release entrapped air and enhance the flow and leveling characteristics of the material. This spike rolling step enhances the appearance of the fully cured floor.

The final step in the installation was the testing of the cured system. Since past flooring attempts had failed, NASA engineers developed a stringent testing procedure to evaluate the finished floor.

The procedure involved numerous tests of the flooring materials during the installation process, as well as evaluation of the finished floor's properties, including: electrical resistance, resistance to sparking, adhesion, thickness and hardness. Each of these tests was performed using the approved ASTM standards and other tests developed by accredited sanctioning bodies. The testing phase of the project was performed by representatives of NASA and an outside materials analysis laboratory over a four week period.

Stonhard's Stonlux ATK conductive flooring system passed every test with flying colors. The material was found to be completely spark-proof and safe for explosives applications. The electrical resistance of the floor

was not only within standard, but also displayed a consistency that had not been achieved with the tile. This consistency, coupled with the floor's exceptionally low body voltage generation values provided a Class 0 sensitivity safe environment.

Now, as NASA's facilities expand to support the existing US/Russian manned space station Mir, as well as exciting new programs for long-term manned space travel, Stonhard surfaces continue to expand in the facilities as well.

And we're happy to report, "Houston, we have no problems!"

The Stonhard Difference

Stonhard is a world-leading manufacturer and installer of high-performance polymer floor and lining systems designed for tough commercial and industrial environments requiring protection against corrosion, impact, abrasion and continuous daily wear. We deliver long-lasting, high-performance systems for tough environments. We offer customized solutions to satisfy the most demanding design specifications and work with you directly from start to finish. You are protected with a single source warranty on both product and workmanship. Known around the world for excellence, the Stonhard name means quality products and unmatched service.

*The products used on this project include:
Stonlux ATK
Stonfil OP2*

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- INSTALLATION
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STONHARD *Solutions*

New floor eliminates production problems

Sikorsky Aircraft plant replaces unsatisfactory high-build coating.

A new floor installed at Sikorsky Aircraft eliminated problems caused when the existing floor coating began to disbond from the concrete substrate. The plant, located in Stratford, Connecticut is the world's largest manufacturer of helicopters for both civil use and armed services. In areas where these aircraft are both manufactured and tested, the floor is exposed to frequent washdowns with water, spills of jet fuel and oil, heavy loading and continuous foot and vehicular traffic.

During a renovation of the production hanger at this facility, 42,000 square feet of a high-build coating was applied to the floor to provide an aesthetically pleasing work environment. However, shortly after the installation was completed, the coating began to disbond from the concrete substrate. This caused unsatisfactory working conditions and increased the potential for mechanical failure of the helicopters. Pieces of the unbonded coating were being tracked into aircraft mechanism by workers, creating what Sikorsky classifies as FODs, or Foreign Object Damage. The coating also caused a major slip hazard when exposed to water and oil.

High Performance Durability

Sikorsky needed to resolve these problems and have a new floor installed in one week's time to accommodate the manufacturing process.

A high-performance polymer flooring system was selected to provide

superior bond strength and durability, while requiring minimal downtime for installation. A textured finish coating was also added to provide increased slip-resistance.

The remaining high-build coating was removed from the floor. Mechanical and chemical techniques were employed to ensure proper bonding. The existing concrete was mechanically prepared for the installation by use of a shot blast machine. This device removes loose material and provides a rough surface profile on the concrete, which is necessary to achieve the proper mechanical bond. To further enhance the adhesion between the concrete and the overlayment, a 2-component, epoxy-based priming system was applied.

Immediately after applying the primer, an epoxy-based mortar layer was installed. This system is made up of 3 components: epoxy resin, curing agent and graded aggregates blended with inorganic pigments. A "screed" applicator was used to apply the mortar, which was then compacted to 1/4 inch using power trowel in wide open areas and a steel hand trowel in hard-to-reach areas. These troweling techniques provide a very flat surface.



A power trowel is used in wide open areas to produce a smooth, flat surface. The floor is attractive, easy to maintain, and makes it easier to operate wheeled vehicles.

This profile is not only aesthetically pleasing, but also makes it easier to operate carts and other wheeled vehicles. The polymer floor was then sealed with 100% solids, two-component, pigmented epoxy coating. Aggregate was mixed in the coating to provide a specific amount of slip-resistance, while maintaining cleanliness. Finally, the joints were filled with a 2-component, flexible, epoxy-based sealant.

Sikorsky Aircraft Division considers the epoxy system to be 100% effective in solving their flooring problems and providing an aesthetically pleasing work environment. The facility is now free of any delamination, and maintains an effective level of slip-

resistance. The installation was also successfully completed within the allowable amount of downtime.

Mr. Paul Fellone, Sikorsky's Senior Construction Coordinator, had this to say about the system, "The product is excellent, the workmanship has been excellent, and the crews worked in a very professional manner."

The success of this flooring system has prompted Sikorsky to expand their facility renovations with the installment of more than 550,000 square feet of epoxy flooring.

The Stonhard Difference

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Products used in this project include:

Stonclad GS

Stonclad PT

Stonkote GS4

*Reprinted from Plant Services
June 1991*

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STONHARD *Solutions*

Medical Center of Central Georgia creates a soothing environment for patients and staff

The recent opening of a state-of-the-art Ambulatory Surgery Center in Macon, Georgia has patients and visitors alike spreading the word about the facility's first-class services and comfortable and appealing design – from patient admittance to final discharge.



Geometric patterns in soft, muted tones create a relaxing mood.

The new Ambulatory Surgery Center, fully owned and operated by the Medical Center of Central Georgia (MCCG), is the state's largest freestanding ambulatory care facility. It houses eight operating rooms, two procedure rooms, 12 recovery bays, and 17 pre-op bays. The center will enable MCCG to provide improved patient care and expanded quality services with some of the region's most experienced physicians and healthcare personnel.

The Problem

During the planning stages of the new surgical center, the staff at MCCG discussed making some significant changes to the facility's design in an effort to change the typical perception of a cold, sterile medical environment to one that is more inviting and soothing. After meeting with architects and designers, the creative possibilities began to take shape, beginning with the selection of a unique floor system engineered to complement design aspects throughout the facility and provide unsurpassed durability, ergonomic comfort and cleanability.

The existing Medical Center of Central Georgia, a 637-bed facility that serves 750,000 residents within the Central Georgia area, had a history of costly and disruptive maintenance due to flooring failures over the past 15 years. Areas of concern were related specifically to the welded seam vinyl flooring and terrazzo in the existing facility. The on-going repair issues due to disbonding and Betadyne® staining experienced with the welded seam vinyl, along with the invasive and expensive repairs of terrazzo when required, significantly impacted the overall efficiency of the facility and increased maintenance expenses.

Architects began the search for an alternative flooring option that would achieve the goals of facility planners and staff at MCCG, which included:

- Soothing and inviting design elements
- Durability
- Reduced maintenance costs
- Increased ergonomic comfort for physicians, staff and patients
- Resistance to Betadyne® staining
- Seamless, cast-in-place system to promote a clean and sterile environment

Solution

MCCG and the design team turned to Stonhard for a solution. Based on the facility's product requirements, the local Stonhard territory manager recommended Stonblend RTZ – a unique, new flooring system that met all of the project requirements and exceeded expectations by offering unlimited design capabilities and the ability to prevent permanent Betadyne® staining. By using Stonkleen AS9, Stonhard's recommended heavy-duty cleaner designed to handle the toughest stains and detergent build-up, MCCG is able to quickly and easily clean-up Betadyne® spills and avoid staining altogether. This easy clean-up facilitates a significant reduction in operating room turnover rates and effectively helps improve the critical efficiency required in an urgent care environment. Stonblend RTZ's ergonomic comfort, ease of cleaning, and aesthetics delivered a low-maintenance solution that pleased nursing staff, facilities personnel and patrons alike.



Integral cove bases promote sanitation by facilitating easy cleaning.

RTZ's versatility allowed designers to create detailed geometric patterns and custom colors from room to room to create a comfortable setting. Its seamless, no wax finish significantly reduces the costs associated with both maintenance and repairs. With a look similar to traditional terrazzo, the durability and exceptional wear properties of seamless polymer systems, and the ergonomic and noise reduction advantages of vinyl products, Stonblend RTZ provided the most viable and cost effective solution for MCCG. It combines the best qualities of many traditional floor systems into one extraordinary product.

Installation

This new construction project called for a lightweight concrete floor base. In the past, MCCG experienced on-going problems associated with residual moisture transmission using this type of concrete, which resulted in regular floor repair issues. To address this concern in the new Ambulatory Center, Stonhard's Stonfil OP2, an osmotic pressure resistant grout, was installed prior to the RTZ mortar to effectively prevent disbonding due to osmotic pressure. Then, the installation of over 13,000 sq. ft. of Stonblend RTZ began.

Plastic strips were used to create unique floor patterns of circles and large flowing arcs that incorporated six different colors and traversed rooms and hallways throughout the facility. Each room now displays its own geometric pattern that corresponds with the color of that room's back wall. An integral 6" cove base, created using Stonhard's Stonclad GS/Stonkote GS4 system, was also installed to complete the seamless floor, ensure ease of cleanability and promote superior sanitation. The entire flooring project was completed and ready for use in less than two months.

Results

MCCG is pleased with the results of the installation and is already enjoying the benefits of a product that eliminates costly downtime for repairs and significantly reduces the maintenance expenses associated with waxing and buffing. The custom designs and colors used in the floor patterns

create a bright and soothing atmosphere for patients and medical staff. RTZ's rubber aggregate provides comfort without compromising durability. Its resilient properties make it easier on the feet of medical staff and patients while providing exceptional wear and impact resistance in high traffic areas exposed to continuous heavy medical equipment and cart traffic. In addition, RTZ's unsurpassed resistance to permanent Betadyne® staining ensures an aesthetically pleasing environment for many years to come.

Stonhard was pleased to provide a non-traditional approach to MCCG's facility planners and nursing staff by offering customized products and services from start to finish. From design through project completion, warranty and maintenance, Stonhard offers local sales and service and a single-source warranty to ensure complete customer satisfaction. The combination of Stonhard's design capabilities, revolutionary new Stonblend RTZ product, and premium customer service provided MCCG with the comfortable and soothing environment they set out to create.

The Stonhard Difference

Stonhard is a world-leading manufacturer and installer of high-performance polymer floor, wall and lining systems. These systems are specifically engineered to provide superior durability without sacrificing aesthetic appeal. With unlimited custom colors and aggregate blends, our design capabilities will complement any interior design scheme. Detailed designs, patterns, logos and decals can also be incorporated to offer a unique flare to any application. Integral cove bases and architectural details complete the seamless advantage, offering complementary designs and minimal maintenance.

We offer customized solutions to satisfy the most demanding design specifications and work with you directly from start to finish. You are protected with a single source warranty on both products and workmanship. Known around the world for excellence, the Stonhard name means quality products and unmatched service.

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