



DUR-A-FLEX[®] Inc.

PERFORMANCE FLOORING

Cost-Effective Flooring That Delivers
Years of Worry-Free Performance



COMMERCIAL • INDUSTRIAL • INSTITUTIONAL



Resurfacers

Clear or pigmented epoxy, acrylic or urethane binders fuse with multi-colored or natural quartz aggregate to create a monolithic matrix layer with high tensile strength and superior longevity.

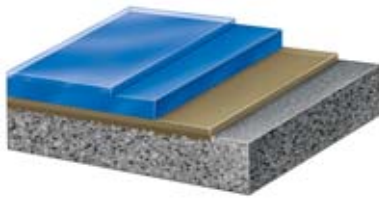


This heavy duty resurfacer restores spalled or eroded concrete in the most demanding abrasive wear environments. Available in standard slip resistant, orange peel and smooth textures.

		Heavy Duty Epoxies				Urethanes
		DUR-A-GARD SL Nominal 1/8"	SHOP FLOOR DUR-A-QUARTZ Nominal 1/8"	DUR-A-CRETE Nominal 1/4"	DUR-A-CHIP Nominal 1/8"	POLY-CRETE HF# Nominal 1/4"
Physical Property	Test Method					
Hardness (Shore D)	ASTM D-2240	70-80	75-80	80	75-80	85
Compressive Strength	ASTM D-695	16,000 psi	17,500 psi	17,500 psi	16,000 psi	NA
	ASTM C-579	10,500 psi	12,500 psi	12,500 psi	10,500 psi	8,500 psi
Tensile Strength	ASTM D-638	3,000 psi	4,000 psi	2,500 psi	3,700 psi	NA
	ASTM C-307	1,950 psi	2,600 psi	1,800 psi	1,800 psi	1,000 psi
Tensile Elongation	ASTM D-638	7.50%	7.50%	7.00%	7.50%	4.50%
Flexural Strength	ASTM D-790	4,000 psi	6,250 psi	(C-293) 5,900 psi	4,700 psi	NA
	ASTM C-580	2,900 psi	4,500 psi	4,200 psi	3,900 psi	2,300 psi
Flexural Modulus of Elasticity	ASTM D-790	5.5 x 10 ⁵	6.2 x 10 ⁵	6.0 x 10 ⁵	5.0 x 10 ⁵	1.7 x 10 ⁵
Linear Shrinkage	ASTM D-2566	0.02%	0.02%	0.02%	0.02%	0.04%
Linear Expansion	ASTM C-531	2 x 10 ⁻⁵	2 x 10 ⁻⁵	2 x 10 ⁻⁵	2 x 10 ⁻⁵	2 x 10 ⁻⁵
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails
Indentation	ML D-3134	.025 MAX	.025 MAX	No indentation	.025 MAX	Pass
Impact Resistance	ML D-3134	Pass	Pass	Pass	Pass	Pass
Water Absorption	ASTM D-570	0.04%	0.04%	0.04%	0.04%	0.04%
Heat Resistance Limitation		140°F to 200°F	140°F to 200°F	140° F to 200° F	140°F to 200°F	-100°F to 220°F
Flammability	ASTM D-635	Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A	Class A	Class A	Class A	Class B
Abrasion Resistance	ASTM C-501					
CS17 Wheel 1000 GM Load 1000 Cycles		35 mg loss	24 mg loss	18 mg loss	24 mg loss	50 mg loss
Coefficient of Friction	ASTM D-2047					
Standard Slip-Resistant		NA	0.9	0.95 Unsealed	0.8	0.9
Orange Peel		0.8	0.8	0.8	NA	NA
Smooth		0.7	0.7	0.7	0.7	NA
VOC Content		3.5 g/L	8.0 g/L (SF) 0 g/L (DAQ)	0 g/L	0 g/L	0 g/L

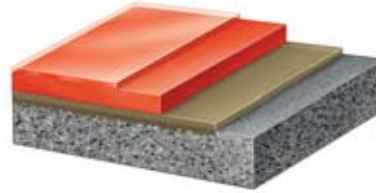
Flooring Systems

Performance Topcoats



The perfect finish for epoxy or methyl methacrylate flooring systems, a performance topcoat makes your floors more chemical and abrasion resistant while imparting a high gloss, low glare satin or flat finish.

Coatings/Floor & Wall



Quality coatings are the key components in any flooring system. High strength, abrasion resistant epoxy or acrylic coatings can be further enhanced with Bio-Pruf™ antimicrobial treatment, chemical and heat resistant Novolac and other special formulations.

	Hybrids			Quick Curing Methyl Methacrylates (MMA)		
POLY-CRETE MDB#**	HYBRI-FLEX MQ# HYBRI-FLEX MB#	HYBRI-FLEX EQ# HYBRI-FLEX EB#	HYBRI-FLEX AQ#	CRYL-A-STAIN# CRYL-A-SHIELD#	CRYL-A-FLOOR#** CRYL-A-QUARTZ#**	CRYL-A-CHIP# CRYL-A-CHIP SL#
Nominal 1/4"	Nominal 1/4"	Nominal 1/4"	Nominal 1/4"	30-45 MILS	1/8"-1/4"	1/16"-1/4"
85	88-92	75-80	(D-3363) 3H	88-92	88-92	88-92
NA	(C-109) 8,300 psi	17,500 psi	17,500 psi	(C-109) 6,000 psi	(C-109) 8,300 psi	(C-109) 6,000 psi
8,990 psi		12,500 psi	12,500 psi			
2,175 psi	2,000 psi	4,000 psi	(D-2370) 7,000 psi	3,555 psi	2,000 psi	3,555 psi
1,000 psi	1,350 psi	2,600 psi		2,400 psi	1,350 psi	1,350 psi
4.50%	7.50%	7.50%	(D-2370) 9%	34%	7.50%	7.50%
5,075 psi	3,700 psi	6,250 psi	(D-1737) Pass	3,500 psi	3,700 psi	3,700 psi
2,400 psi	2,700 psi	4,500 psi		2,500 psi	2,700 psi	2,700 psi
2.0×10^5	4.7×10^5	6.2×10^5	6.2×10^5	4.5×10^5	4.7×10^5	4.7×10^5
0.06%	0.02%	0.03%		0.02%	0.02%	0.02%
2×10^{-5}	3.5×10^{-5}	2×10^{-5}		3.5×10^{-5}	3.5×10^{-5}	3.5×10^{-5}
400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails	400 psi substrate fails
Pass	.025 MAX	.025 MAX		.032 MAX	.025 MAX	.030 MAX
Pass	Pass	Pass	Pass	Pass	Pass	Pass
0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%
-100°F to 220°F	140°F to 160°F	140°F to 200°F	140°F to 200°F	140°F to 160°F	140°F to 160°F	140°F to 160°F
Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing	Self Extinguishing
Class B		Class A	Class A			
			(D-2047) >0.6			
50 mg loss	21 mg loss	24 mg loss	(D-4060) 15 mg loss	29 mg loss	21 mg loss	29 mg loss
			>0.6			
0.9	0.7	0.9	NA	NA	0.7	0.8
NA	NA	0.8	NA	NA	NA	NA
NA	0.5	0.7		0.5	0.5	0.7
0 g/L	<5 g/L (Base Coat) 74 g/L (Armor Top), 340 g/L (Poly 2HS)	<5 g/L (Base Coat) 74 g/L (Armor Top), 340 g/L (Poly 2HS)	5 g/L	80-90 g/L	80-90 g/L	80-90 g/L

Bio-Pruf is a registered trademark of Rohm and Haas Company, its subsidiaries, or affiliates in the U.S.

Contributes to LEED

*Also available in SL formulation

** Available in MD and TC formulations



Our urethane resurfacers are the standard for Food Processing, resisting thermal shock and bacterial growth. USDA, FDA and NSF Certified.

Cost-effective.
Worry-free.

Multiple locations or significant square footage can lead to big savings.

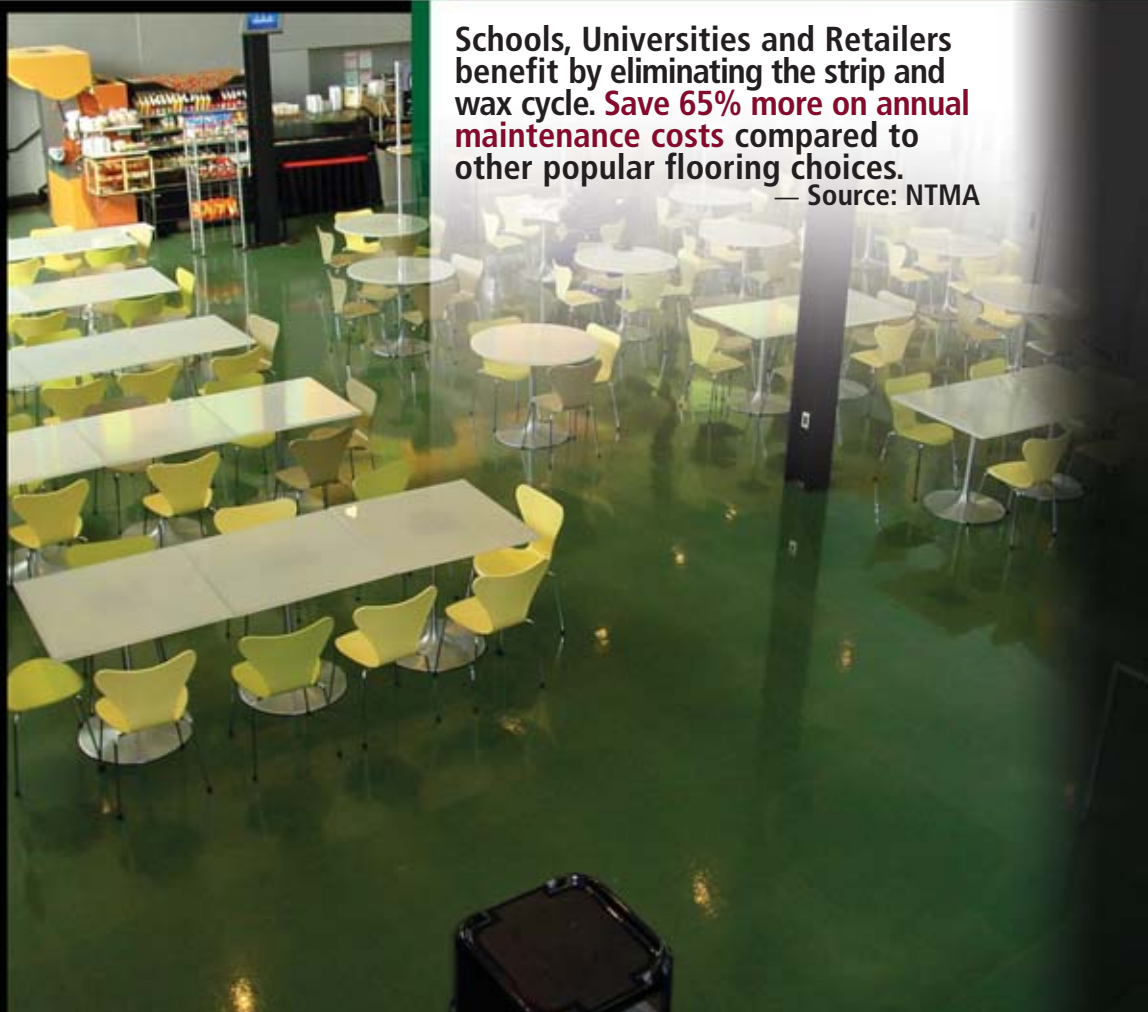
Reduce your client's maintenance costs. Our low maintenance floors can reduce annual costs by 55-75%.

A Dur-A-Flex floor saves an additional \$1 per square foot per year over other floors.

See what we can do for you!

800-253-3539

dur-a-flex.com



Schools, Universities and Retailers benefit by eliminating the strip and wax cycle. **Save 65% more on annual maintenance costs** compared to other popular flooring choices.

— Source: NTMA



Add the natural beauty of our Cryl-A-Stain concrete coloring system. You get cost-effectiveness along with style and color variations that are endless.

Supermarket floors install quickly, eliminating revenue loss. And our Macro and Micro decorative chips are as beautiful as they are durable.



Open your doors sooner with a quick curing MMA system or don't close at all when you are renovating. These systems cure in a matter of hours and install 50-75% quicker than other floors, so many installations and repairs can be achieved overnight.

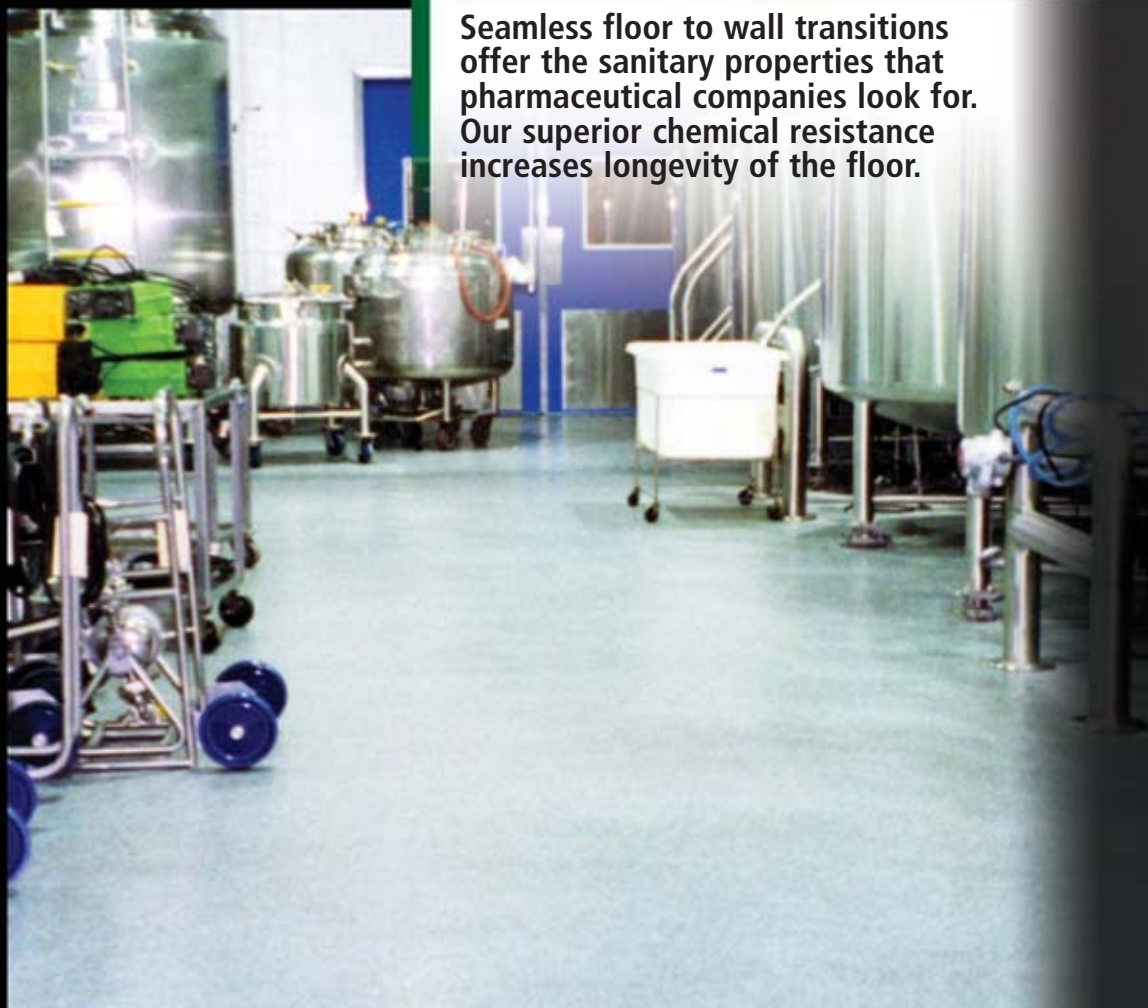
See what we can do for you!
800-253-3539
dur-a-flex.com



UV stable MMA systems are perfect for outdoor use and provide exceptional performance on pool decks and walkways. Client reports a **90% reduction in slip/fall claims.**

Specifying a Dur-A-Flex floor and wall system is simple! We make all our 3-Part Guide Specs, Product Data Sheets, Material Safety Data Sheets and Application Instructions easily accessible through our website and from our knowledgeable floor specialists.

Seamless floor to wall transitions offer the sanitary properties that pharmaceutical companies look for. Our superior chemical resistance increases longevity of the floor.



See what we can do for you!
800-253-3539
dur-a-flex.com



Our easy to install cove base is ideal for kennels, exam rooms, surgical areas or anywhere else that requires sanitary conditions.



Showcase your style with an array of decorative options. Busy areas won't show wear patterns.



Manufacturing processes and material handling are strictly controlled and documented as part of our real-time quality management and batch-tracking processes. In addition to our in-house testing program, our products are evaluated by independent labs to validate test results.

See what we can do for you!

800-253-3539

dur-a-flex.com

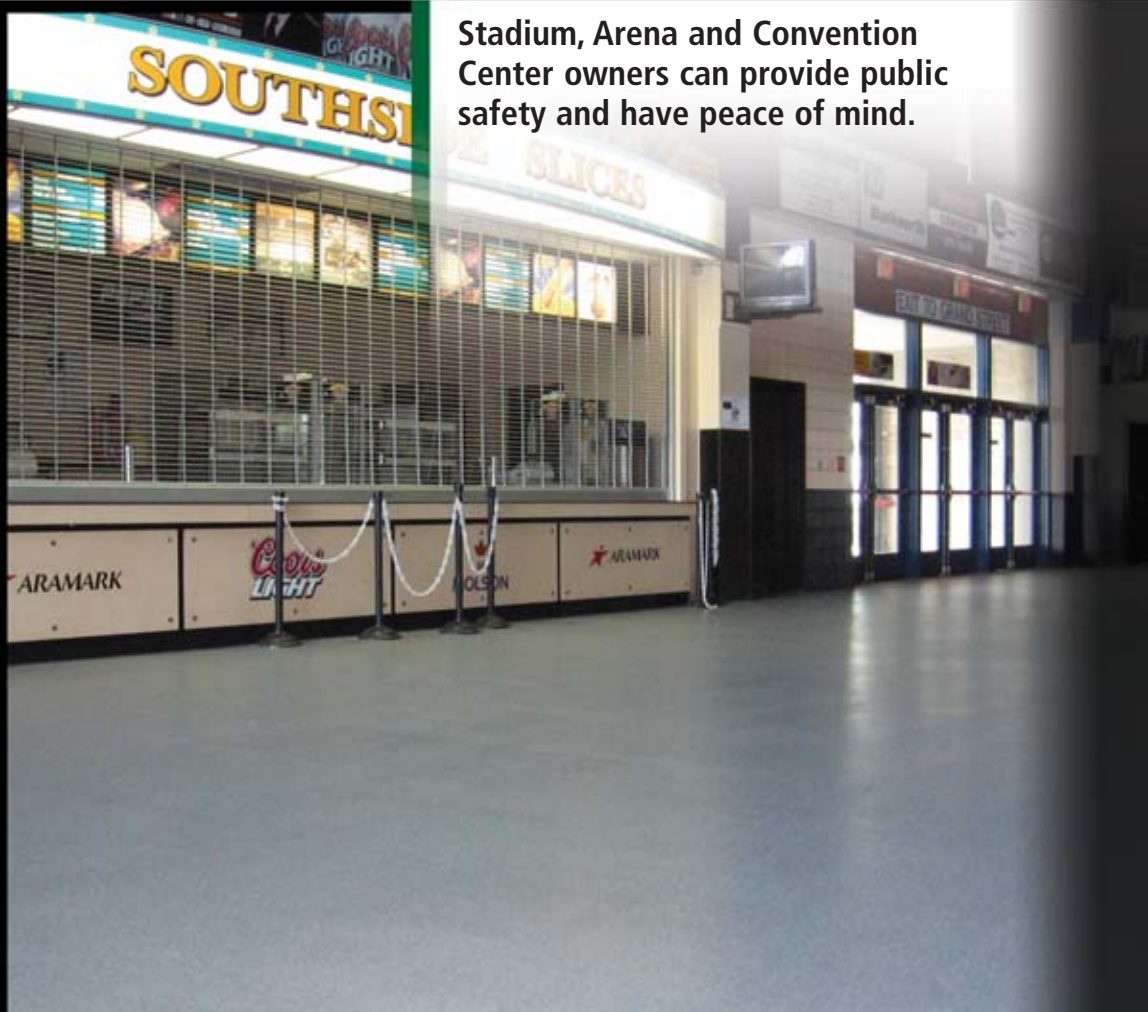


Floor systems that **last 2-3 times longer** than floors with a traditional urethane topcoat.

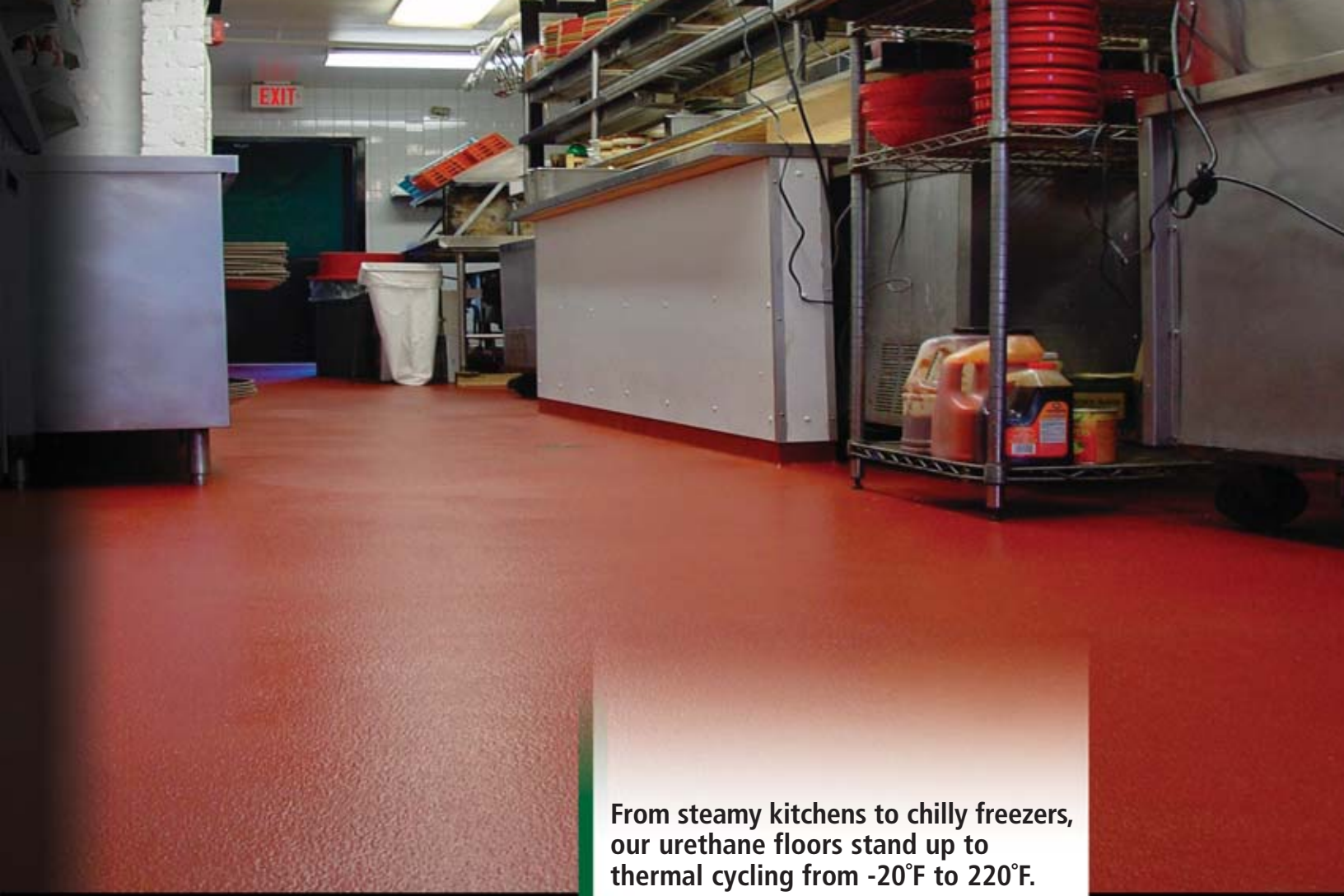
"Changing to a Dur-A-Flex coating provided us with the protection and safety we were looking for. It has rejuvenated the facility and is much easier to clean than the old wax floor. Our slip and fall rate has been greatly reduced and it looks great."

Bob Belber, GM
Times Union Center, NY

See what we can do for you!
800-253-3539
dur-a-flex.com

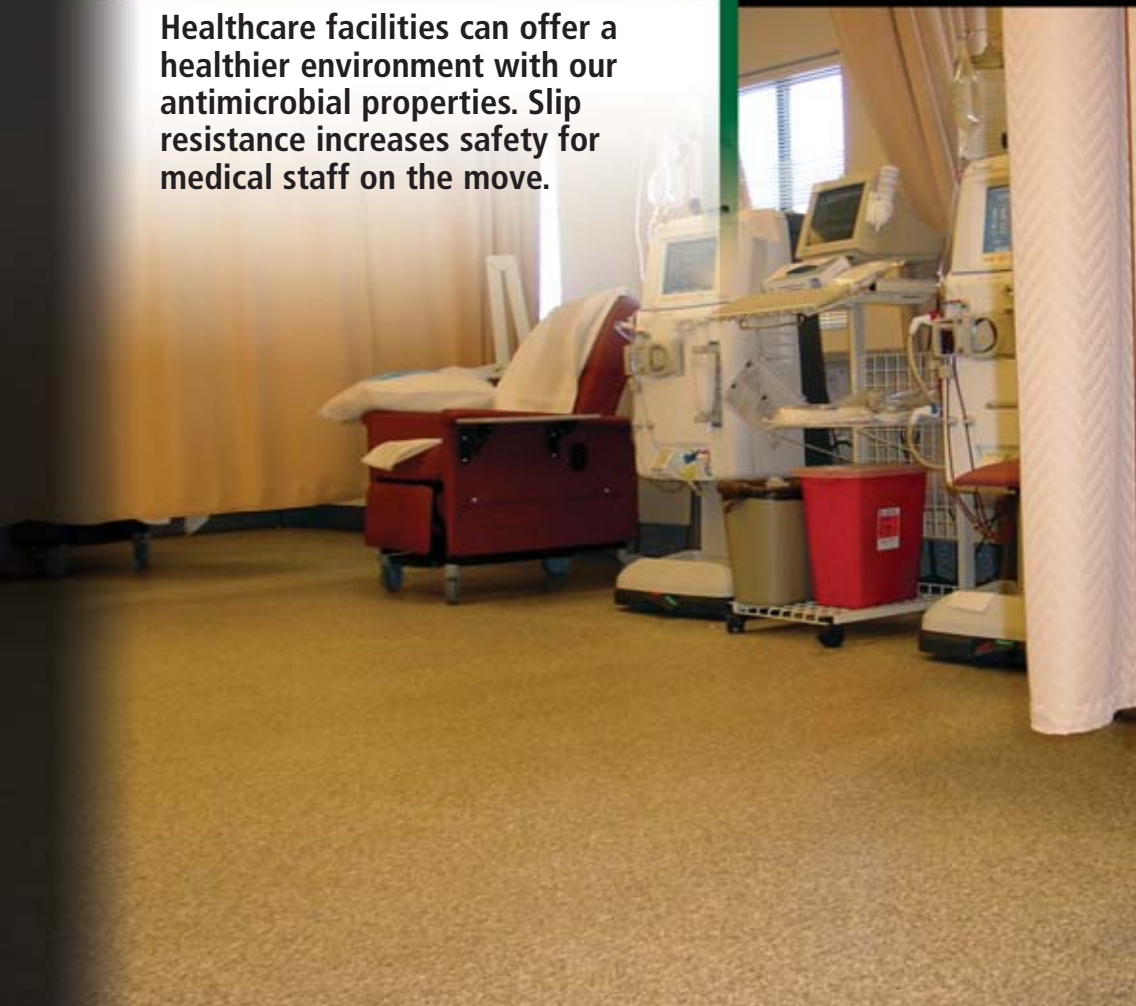


Stadium, Arena and Convention Center owners can provide public safety and have peace of mind.



From steamy kitchens to chilly freezers, our urethane floors stand up to thermal cycling from -20°F to 220°F.

Healthcare facilities can offer a healthier environment with our antimicrobial properties. Slip resistance increases safety for medical staff on the move.



"We have severe weather in the Northeast. Sand and mud gets tracked in on our floors. So we wanted the floors to be easy to maintain. With our Dur-A-Flex floors, it's a simple clean--you don't have to use different cleaners or do any waxing."

Cissy Meehan, Regional Director
Gambro Healthcare, CT

See what we can do for you!

800-253-3539

dur-a-flex.com



HYBRI-FLEX

- Eliminates the need for a separate costly moisture mitigation system
- Perfect for fast track construction projects
- Installs over 5-7 days old concrete
- Shorten projects and open sooner
- Protects against moisture-related floor failures
- Reduces installation time by over 50%

Each year, property owners spend an estimated 2.4 billion dollars on facility repairs as a result of moisture-related flooring failures.

The built-in moisture mitigation system of Hybri-Flex systems not only allow for a quicker installation but provide protection against such moisture related floor failures.

See what we can do for you!

800-253-3539

dur-a-flex.com



Flooring Cost Comparison

Costs Per Square Foot	Installed Cost	Annual Maintenance Cost	Years Average Life	Replacement Cost	Total Expenditure 25 Years	Cost Per Year
Dur-A-Flex Floor	7.50	.50	25	0	20.00	.80
Quarry Tile	8.50	1.10	25	0	35.25	1.44
Carpet	3.25	1.25	8	3.75	42.00	1.68
VCT	1.95	1.75	8	2.25	50.20	2.00
Epoxy Terrazzo	14.50	1.65	25	0	48.25	1.93

Compare the true cost of a floor system - maintenance costs, service life and replacement cost. The lowest installation cost does not always mean a low cost solution to your flooring needs.

Publix Supermarkets saved \$1 per square foot per year on maintenance costs in their 130 stores, translating into a total savings of over \$5 million!

See what we can do for you!

800-253-3539

dur-a-flex.com



Epoxy, MMA & Urethane Resurfacers
Decorative Chip Flooring
Specially Formulated Coatings
Performance Topcoats
Primers & Sealers
Crack Fillers &
Elastomeric Membranes
Select Graded &
Pigmented Quartz Aggregate

PERFORMANCE FLOORING SOLUTIONS
DUR-A-FLEX[®] Inc.
EPOXIES • MMA • URETHANES
COLORED QUARTZ AGGREGATES

800-253-3539
dur-a-flex.com

95 Goodwin Street • East Hartford, CT 06108



8/09