



# WALL SYSTEMS



Floor and wall installation services provided by:

**GUARDIAN INDUSTRIAL  
PRODUCTS, INC.**

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For functional wall systems that are ideally suited for concrete, wood, drywall, cement board or block, Dur-A-Flex® systems deliver all the characteristics you need for commercial, industrial and institutional applications.

Our wall systems are chemical resistant and prevent the penetration of moisture from cleaning and wash downs. By eliminating joints and seams, there is no longer a space to harbor moisture that can lead to mold and bacteria growth. In many wall applications impact resistance is critical, and through soft and hard body impact testing, we found that our systems

offer a superior level of impact resistance. When compared to latex or alkyd paint, our wall systems will outlast and outperform them all.

#### Typical uses:

- Animal research
- Hospitals
- Clean rooms
- Laboratories
- Pharmaceutical plants
- Hallways/corridors
- Food processing
- Schools

For the perfect fit to your specific environment, we offer three wall system options:

#### **Dur-A-Wall**

Our two component, high build epoxy wall system is ideally suited for application on concrete, wood, drywall, cement board or block.

#### **Dur-A-Wall FGR**

A high build, pigmented, two component system that uses the same epoxy components as our Dur-A-Wall system and incorporates a fiberglass mat designed specifically for sheetrock wall applications.

#### **Dur-A-Wall VC**

This two component, low odor epoxy wall system uses the same components as our Dur-A-Wall system while incorporating vinyl chips for a decorative look.





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## Physical Properties

Properties	Test Method	Dur-A-Wall	Dur-A-Wall FGR/VC
Hardness (Shore D)	ASTM D-2240	70-80	70-80
Tensile Strength	ASTM D-638	3,000 psi	3,000 psi
Flexural Strength	ASTM D-790	4,000 psi	4,000 psi
Bond Strength to Substrates	ASTM-D-4541	Substrate fails	Substrate fails
Impact Resistance	ASTM D-2794-93	160 inch/lbs	160 inch/lbs
Water Absorption	ASTM D-570	0.04%	0.04%
Elevated Temperature	MIL D-3134	No slip or flow	No slip or flow
Flammability	ASTM D-635	Self Extinguishing	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A	Class A
Abrasion Resistance, CS10 Wheel 1000 GR Load 1000 Cycles	ASTM D-4060	15 mg loss	15 mg loss
Thermal Shock, 50 cycles of immersion in chilled & boiling water		No cracking or loss of adhesion	No cracking or loss of adhesion
VOC Content	MIL F-52505	0 g/L	42 g/L

## Impact Resistance Testing

Test Method	Alkyd/Latex Paint	Dur-A-Wall	Dur-A-Wall FGR	Dur-A-Wall VC
ASTM E695-03 soft body impact	75 ft.lbs 0.120" set	75 ft.lbs 0.060" set	90 ft.lbs 0.100" set	75 ft.lbs 0.025" set
Hard Body Impact USG pipe cap test substrate damage	10 ft. lbs.	13 ft. lbs.	13 ft. lbs.	15 ft. lbs.
ASTM D-2794 @25 inch/lbs indentation, mils	85	68	35	45

