

KRATOS WALL SYSTEM



**KRATOS
WALL**

STRONGER. GREENER. SMARTER. FASTER.



**INNOVATIVE GREEN
BUILDING SOLUTIONS**

KRATOS WALL

The PBS KRATOS Wall System is a 4-in-1 exterior wall solution that is revolutionizing the construction industry as a lighter, stronger more durable and energy efficient alternative to traditional block/wood structures.



PROVEN PATENTED TECHNOLOGY

PBS provides a proven green building technology with over 10 years of use and consists of three principal components: KRATOS Exterior Wall and roof system made from cold rolled light gauge steel; cold rolled light gauge steel roof and floor trusses, and cold rolled light gauge steel non-insulated interior wall panels. Designed and engineered together as a single building system creates an extremely energy efficient, light weight, durable and strong structure built to last generations. Our Solution is trade friendly, fast and easy to erect on-site with minimal training/labor.

4-IN-1 FEATURES BUILT-IN

STRUCTURAL FRAMING - GALVANIZED LIGHT GAUGE STEEL WITH PREPUNCHED SERVICE HOLES FOR ELECTRIC & PLUMBING TRADES.

INSULATION - CLOSED CELL SPRAY FOAM & RIGID EXTERIOR SHEATHING WITH IMPACT RATED MESH LAYERS PROVIDE R-16+ FROM FACTORY.

IMPERMEABILITY - CLOSED CELL SPRAY FOAM & EXTERIOR SHEATHING PROVIDE A COMPLETE MOISTURE/AIR BARRIER (WRB).

EXTERIOR SHEATHING - IMPACT RATED CONTINUOUS INSULATIVE SHEATHING PROVIDES THERMAL BREAK AND IS READY FOR CLADDING. MX7 SERIES PROVIDES ADDITIONAL STRUCTURAL INTEGRITY, FIRE/IMPACT PROTECTION, NAIL/SCREW SURFACE AND A REDUCED CARBON FOOTPRINT.

STEEL FRAMING WITHOUT THERMAL BRIDGING!



KRATOS™ EXTERIOR WALL ASSEMBLY

KEY

1. Direct Applied Exterior Cladding
2. Exterior Sheathing Layer (X4 or MX7 Options)
3. Closed Cell Spray Foam Insulation
4. Light Gauge Steel Framing w/Service Holes
5. Interior Gypsum/MGO Sheathing

KEY FEATURES & BENEFITS

- » Integrated Value-Engineered Building Solution - Single Source
- » Lab Tested for Impact, Wind Load & Moisture/Air Penetration
- » Meets IBC/Florida/Other Building Code Requirements
- » Patented Layered Technology provides thermal break
- » Continuous Insulation & built-In WRB - No need to wrap building
- » MX7 product line provides up to 2 Hour Fire rating
- » MX7 product line provides negative carbon sheathing w/nail surface
- » Green Energy Efficient - 50% to 80% Savings
- » Energy Efficiency allows for reduced HVAC Size & Cost
- » Low to no waste technology facilitates low Carbon Footprint
- » Trade-Friendly with pre-punched service holes
- » Lowest cost of ownership (TCO)
- » Made in the USA with highest grade G60/G90 steel
- » Fast & easy to install - Rapid tilt-wall process with smaller crew
- » Lightweight wall panels & trusses reduce heavy equipment needs
- » Reduced waste, labor, inspections, build time
- » Environmental & financial sustainability

BENEFITS OF BUILDING WITH STEEL:

- » Highest strength-to-weight ratio with no weak spots
- » Healthy - No dry-rot, termites, moisture, mold or mildew
- » Long-term Durability & Consistent Performance
- » Absorbs seismic/storm energy, bends without breaking
- » Positive consistent load path - dimensionally stable
- » Provides excellent fire protection, is non-combustible
- » Recycled & recyclable - low carbon footprint

PRODUCT MATRIX

Product Description	Product ID	Stud Configuration	CFS Spec	Corrosion Protection	Sheathing	Insulation	Use	HVHZ Design Pressure	HVHZ Impact Rated	Weight (Lbs/SF)
KRATOS X4 Ext. Wall System	X4	Single 5.5 LGS @ 24 O.C. Max.	Standard: 20 GA, 50KSI 18 GA, 50KSI	Standard: HDG G90	1" HD KRATOS EPS	Pre-insulated, rated @ R-18	Curtain Structural	+/- 45	Yes	1.78 - 20ga 2.20 - 18ga
KRATOS X4+ Ext. Wall System	X4+	Double 5.5 LGS @ 24 O.C. Max.						+/- 127.5	Yes	2.17 - 20ga 2.70 - 18ga
KRATOS MX7 Ext. Wall System	MX7	Single 5.5 LGS @ 24 O.C. Max.	Optional: 16 GA, 50KSI 16 GA, 70KSI	Optional: HDG G60	1" HD KRATOS MGO/EPS	Pre-insulated, rated @ R-16		+/- 70	Yes	4.50 - 20ga 4.90 - 18ga
KRATOS MX7+ Ext. Wall System	MX7+	Double 5.5 LGS @ 24 O.C. Max.						+/- 150	Yes	4.87 - 20ga 5.40 - 18ga



MIAMI-DADE PERFORMANCE TESTED



TAS 201
TAS 202
TAS 203



ADAPTABLE

Our building technology can be used to build almost any type/style of structure. Value Engineered for specific wind/seismic design criteria, combined with an adjustable r-value, insulated exterior wall, our wall system is the perfect solution for any climatic region in the World. Past and current projects have spanned from Alaska to the Caribbean Islands and include residential, commercial, emergency and institutional type projects.

INNOVATIVE GREEN BUILDING SOLUTIONS



STEEL vs WOOD

Engineered & Manufactured to Length	✓	✗
No Splitting/Cracking/Warping	✓	✗
Dimensionally Stable	✓	✗
Straighter Walls	✓	✗
Square Corners	✓	✗
Fire Resistant	✓	✗
Moisture/Mold/Mildew Resistant	✓	✗
Termite/Insect Resistant	✓	✗
No Weak Spots or Dry Rot	✓	✗
Positive Consistent Load Path	✓	✗
Highest Strength-to-Weight Ratio	✓	✗
Average Waste Generated	~1%	~20%
Resources to Frame a Typical 2,000 SF House	~6 Junk Cars	~203 trees

Partner with us today in helping to build a more sustainable future. Dealership, Sales & Licensing inquiries welcome.

Authorized Representative:



PERFORMANCE
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