



FLEX Structure®

www.flexstructure.com

Enhance the Way You Build

FLEX Structure



Have your construction/ building questions answered.

FLEX Structure (FS) offers flexible, durable, and sustainable building solutions for commercial, industrial, and residential projects. Our high-quality materials and innovative design ensure long-lasting structures, while our environmentally responsible practices reduce waste and our carbon footprint.

Talk to the Team today and find out what they can do for you.

☎ 250-317-7339

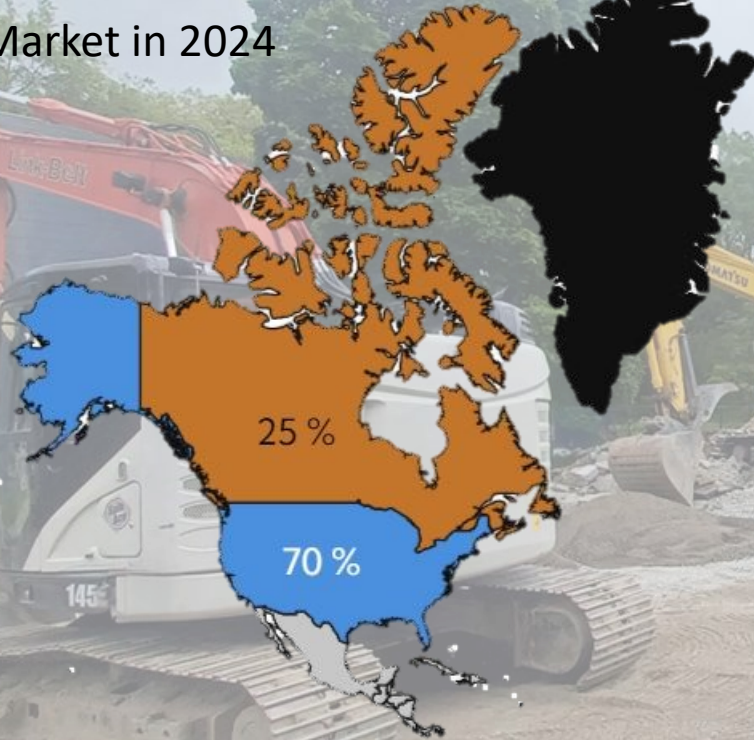
Learn more about the building system at FLEX Structure

NOTE : The products described in this catalog may not be displayed to the true size. Please inquire FLEX Structure for current valid pricing.



North America Modular Construction Market

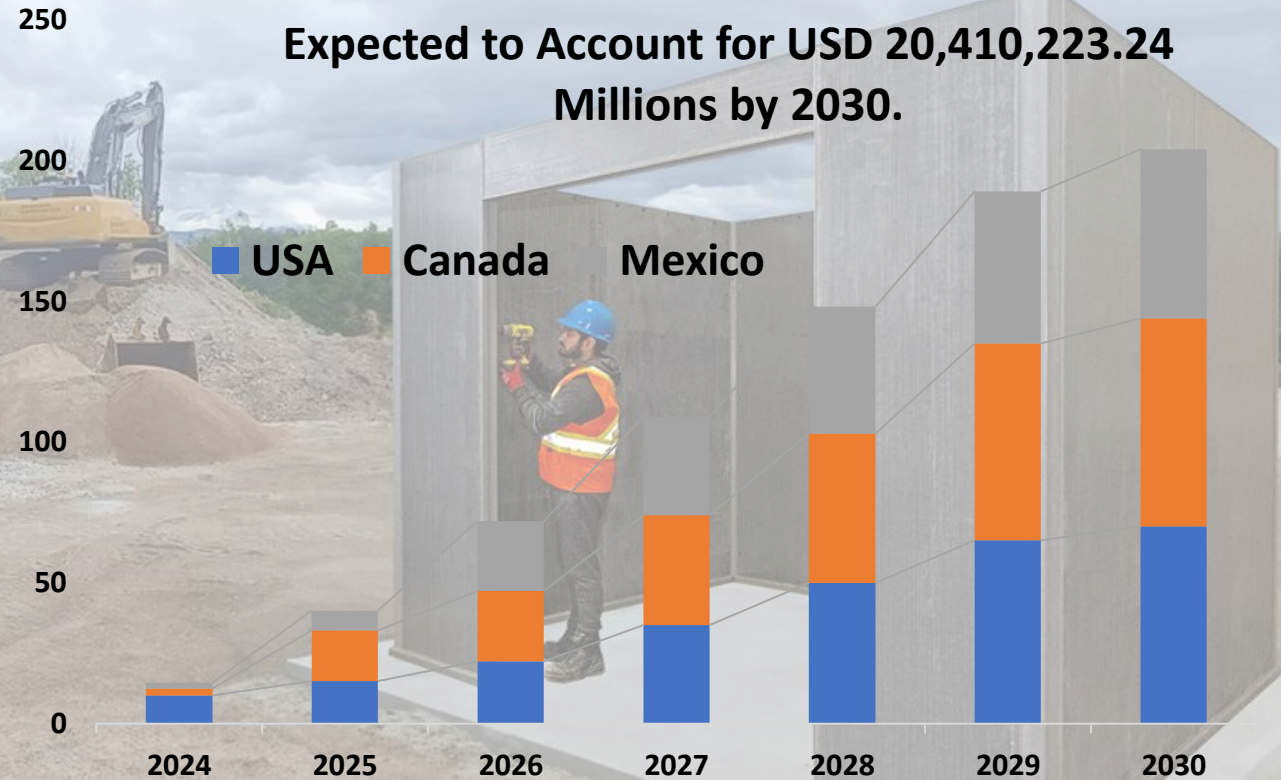
Market in 2024



Rest of the North America is 5 %market share

Canada is forecasted to be a most lucrative segment
Between 2024-2030 with **6.01% CAGR**

North America Modular Construction Market is
Expected to Account for USD 20,410,223.24
Millions by 2030.



Source: Date Bridge Market Research Analysis Study 2023

Why FIBERGLASS ?

Fiberglass is chosen for its outstanding properties that make it ideal for construction applications:

- **Durability:** Resilient to extreme weather, pests, and water.
- **Lightweight:** Easy to handle and install.
- **Insulation:** Superior thermal performance.

Industrial fiberglass has a higher strength and outstanding resistance to extreme bending as compared to structural timber.

Fiberglass

- Tensile Strength = **30,000** psi
- Flexural Modulus = **10,000** psi
- Compression Strength = **17 x Structural Timber**

Popular Douglas Fir timber has a flexural strength of up to 2800 psi.



What is FLEX Structure ?

Structural Wall Panels feature a high-strength two-sided fiberglass face sheet, recycled Armacell PET foam core for insulation R10 and rigidity, a pultruded frame for strength and connectivity, reusable mechanical fasteners, and weather sealing for energy efficiency. Easy to install without specialized tools or skills.

Material: Fiberglass face sheets, Graphene-reinforced pultrusion frame, and recycled Armacell PET foam core.

Dimensions:	Metric	Imperial
Length:	2.43 m	8 ft.
Width:	1.14 m	3.75 ft.
Depth:	6.98 cm	2.75 In.
Weight:	70 kg	154 lbs.
Insulation Value:	R10	

- Durable:** Resistant to climate, pests, and water.
- Lightweight:** Easy to handle and install.
- Energy Efficient:** Superior insulation reduces energy costs.
- Sustainable:** Made with recycled materials and easily reconfigurable.
- Quick Installation:** No heavy equipment needed, minimal waste.



FLEX Structure Wall Panel

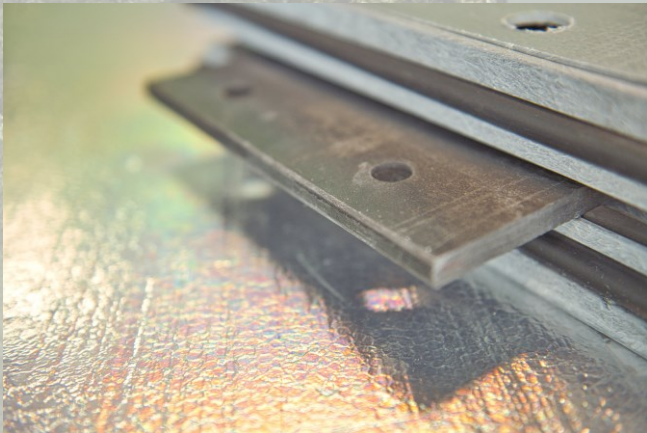
FLEX Structure Building Components



FLEX Structure Bottom

Material: Fiberglass mat, Graphene-reinforced pultrusion (8ft.)

Dimensions:	Metric	Imperial
Width:	10.28 cm	4.05 In.
Depth:	9.55 cm	3.76 In.
Weight:	17.68 kg	38.91 lbs.



FLEX Structure Tongue

Material: Fiberglass mat, Graphene-reinforced pultrusion (8ft.)

Dimensions:	Metric	Imperial
Width:	10.28 cm	4.05 In.
Depth:	9.55 cm	3.76 In.
Weight:	17.68 kg	38.91 lbs.



FLEX Structure Corner

Material: Fiberglass mat, Graphene-reinforced pultrusion (8ft.)

Dimensions:	Metric	Imperial
Length:	2.43 m	8 ft.
Width:	15.59 cm	6.14 In.
Depth:	15.59 cm	6.14 In.
Weight:	2.8 kg	6.17 lbs.

Utilize Structural panels to create up to 9.29 sq. m (100 sq. ft.) of workspace and storage



5 Panel FLEX Structure



7 Panel FLEX Structure



10 Panel FLEX Structure