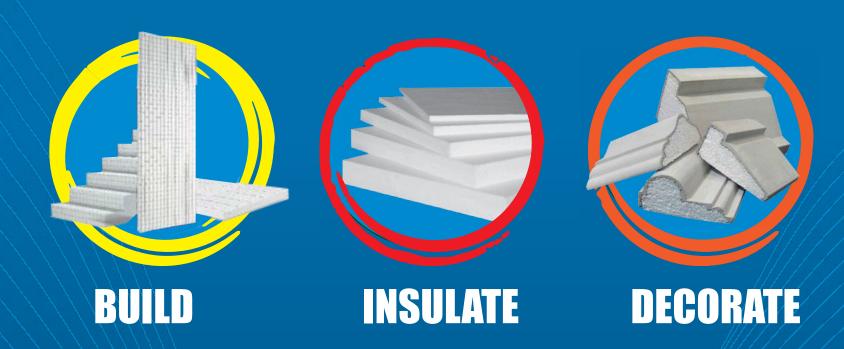
# 2022

# FREE FORM



... and more.

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# Insulated Concrete Panel Building System.

Free Form Factory is working together with the Portmore HEART Academy, to produce competent workers in building construction skills consistent with the changing technology, in direct response to the needs of the industry.

# Partnering with NHT for Affordable Comfort Homes.

Free Form uses Structural Insulated Panels for the construction of residential houses and apartments, as well as commercial, industrial buildings. The panels replace traditional concrete blocks with EPS foam panels inserted between galvanized steel and concrete.

#### Wed Thur Sun Mon Tue Fri Sat New Year's 3 2 5 7 4 6 8 9 11 12 10 13 14 15 16 17 20 21 22 18 19 23 24 25 28 29 26 27 30 31

Under Construction

January 2022

1 Bedroom home built at Monymusk Housing Scheme, Clarendon, on behalf of the National **Housing Trust** (NHT FINANCING AVAILABLE).





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February





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# Insulated Concrete Forms (ICF) Building System.

These are permanent, sandwich-type of forms, on which concrete is poured between two insulation layers. The forms will stay in place as a permanent wall assembly forming walls when multiple blocks or panels are connected with plastic ties.

#### Benefits

- ✓ Cooler Indoor Temperatures (10 -15<sup>0</sup> cooler)
- Energy Efficient
- Earthquake/ Hurricane Resistant
- Sound Proof Walls
- ✓ Versatile Design Options



# Lightweight Concrete

Lightweight concrete consisting of EPS beads, cement, sand and other additives, offers practical solutions for special construction needs, including the renovation of floors in older buildings, which require a reduced weight load. For this lightweight blend, EPS beads replace stone, which is generally used in a conventional concrete mix.





# Retrofit Existing Buildings using EPS Insulation.







# EIFS, a New Cooling Experience.

Free Form's External Insulating
Finishing Systems, create an insulated wall on an existing building that protects the exterior from temperature fluctuation. You can't go wrong with cool finishings. It integrates 3 proven components – a continuous waterproof air barrier, exterior insulation and a variety of texture finish options – into a superior, sustainable wall cladding unlike any other.

#### Tue Wed Fri Sat Sun Mon Thur 2 1 April 2022 5 8 9 3 6 4 7 10 16 11 12 13 14 15 Good Friday 23 21 17 18 19 20 22 Easter Monday 24 26 28 30 25 27 29

## Wall Cladding

It is a cost-effective external wall cladding product that can simply be moulded to any shape. Providing quality thermal efficiency, it's the ideal way to insulate buildings and homes of any size.







## Roof/Ceiling Insulation

As buildings absorb heat from the sun, roofs insulated with EPS panels can help to dramatically reduce heat in-take and significantly lower indoor temperatures.







#### Cold Rooms

EPS Insulation Panels are ideal for the use in walls and roofing systems in the construction of cold rooms and insulated storage/refrigerated buildings.



#### Coolers

Free Form's insulated cooler boxes provide up to 48 hours of chill time during transport when used in conjunction with cold bricks or ice packs.

### Pipe Insulation

EPS foam assists with condensation control, which is essential for preventing corrosion, offers protection against extreme temperatures, and reduces noise that can be transferred along pipelines.



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# Add your Unique Touch of Style with Bold statement pieces.

Keystones are often used at the crown of an arch or the centre of a window frame, locking the border in position. The keystone is used for aesthetic purposes and adds a touch of elegance to the framing of windows, doors, and arches.



# Beautify your Home.

Crown mouldings, quoins, window and door framing are easy, inexpensive ways to add elegance and the ultimate, finishing touch to any room. Mouldings add flair, character and definition. Choose a moulding that suits your personality.



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#### Fill the void with Geofoam

Geofoam is produced with Expandable Polystyrene (EPS) beads moulded into blocks, which can be cut into various shapes and sizes. The material is used extensively in road works, where the sub-base of the motorway is anchored in soft soil or where sensitive environment conditions, such as wetlands, exist. Acting as a lightweight void filler.



## Lose the Weight -Not the Strength

Light Deck is a construction methodology that uses EPS in the roofs and the floors; it has the effect of reducing the building's weight and the temperature.

This has materially reduced building cost as the EPS foam is cheaper than the block and steel, but in addition has resulted in lighter more earthquake resistant buildings with reduced temperatures from the insulating properties of the EPS.



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# Redefine Luxury

Be bold and give your outdoor walls some character with a texture finish. Texture finishes can range in thickness from paints through to a 1mm thick coating/render. Generally matt in appearance these texture finishes will not fill imperfections in a wall but they can make imperfections less noticeable.



#### Leaks No More

Membrane roofing is used on flat or nearly flat roofs to protect the building beneath, insulation, move water off the roof and of course, prevent water from entering the property. Membrane helps to maintain a comfortable temperature inside the house and improves a home's energy efficiency.



2022 September

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#### **CREATIVE WORKS**

EPS is a versatile and ultra lightweight medium that allows for endless creativity. Through carving of the foam and computerized cutting systems, various shapes and patterns can be carved for advertising and stage production.

Free Form's EPS has been used to produce decorative signs for buildings, Red Stripe cup, a giant shoe, trellis, wall fountain and the Redemption Song statue at Emancipation Park was first carved from foam before being cast in bronze. We also supply foam for dummy cakes, floral arrangements, flower pots etc.

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25 Christmas	<b>26</b> Boxing	27 Christmas/Boxing Day observed	28	29	30	31



#### Get the Look without the Weight

Foam plant containers are lightweight and easy to move if your plants need to cool off in afternoon shade. Beautiful flowerpots for any space indoor or outdoor.



## Create the Ultimate Chill spot.

Bean bags act as perfect items for contemporary furniture, enabling persons to deck their rooms out. They remain one of the best tools for those who wish to give the sofas a break, and they're light enough to be moved around by anyone if desired.



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