

# Realized projects

The following images display the diversity of buildings that are possible thanks to the simplicity of the concept of **KEPS**.



**Le Jardins des Sources**  
Sainte-Thérèse  
Senior citizen housing



**Boucherville home**  
Boucherville  
Auto Construction



**Le Château du Parc**  
Verdun  
Condominiums



**Centre de santé  
SPA Bromont**  
Bromont  
Commercial building

INSULATED CONCRETE FORMS

# KEPS

CONCRETE  
AT ITS  
BEST!



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A **KEPS** house provides you with a  
**healthy, safe and comfortable environment !**



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## SYSTEM COMPONENTS

### EXPANDED POLYSTYRENE PANELS

Do not contain CFC or HCFC.

#### DIMENSIONS:

- Panel width: 1 260 mm (49 1/2 inches)
- Panel height 250 mm (9 7/8 inches)
- Panel thickness 64 mm (2 1/2 inches) and 89 mm (3 1/2 inches)
- Density : 2 pounds/cubic feet
- Insulation factor higher than R-25 and R32.

### POLYPROPYLENE BASE SPACER

Two sides permit nailing the support to the concrete base and permits:

- Perfect positioning of the base for the first row of panels,
- Mechanical fastening of the first panels using steel nails.

The upper arm-lock spacers are anchored to the base brace to ensure the solidity of the system and ensure:

- High wind resistance prior to concrete pouring,
- Stability of the two side panels during and after concrete pouring.

### POLYPROPYLENE BASE CORNER BRACE FOR 90° AND 45° ANGLES

Consisting of a simple square, it is anchored to the floor or foundation wall and ensures:

- Correct positioning of the corner,
- Anchoring of the side panels to the floor or foundation

### STANDARD POLYPROPYLENE CORNER BRACE FOR 90° AND 45° ANGLES

Maintains the panels at the correct angle permitting the installation of corner reinforcements.

The corner element has markers 1 and 2 that provide the panel erection sequence.

### POLYPROPYLENE ARM-LOCK SPACER

Main liaison element ensuring the following functions:

- Keeps the two adjacent panels together,
- Mechanical liaison during pouring,
- Vertical and horizontal bracing off all panels,
- Keeps the exterior panels straight at floor Levels,
- Secure horizontal reinforcing steel,
- Secure polystyrene opening frame elements



## COMFORT AND SECURITY

Today, you can benefit from a residence in which living is easy. A **KEPS** residence will procure a secure, comfortable and healthy environment.

### SUPERIOR THERMAL INSULATION

Double Thermal constant insulation without any thermal bridge effect, provides a wall R-value between R-25 to R-33. Thus, generating an energy savings of up to 50 % compared to a wood frame construction.

### EXCEPTIONAL SOUNDPROOFING

The exceptional soundproofing of the wall attains an acoustic transmission coefficient (CTA) of 63. The majority of conventional residences do not exceed 43.

### CRACK RISKS DECREASE

The concrete protected with ICF, benefits from a perfect curing process due to its inherent protection from the exterior elements. This feature assures the elimination of any cracking. Hence, the superior quality of construction effectively translates into greater value.

### FIRE PROTECTION OF UP TO THREE HOURS!

The **KEPS** System does not contain any CFC or HCFC, it does not emanate any toxic matters and what's more, it does not propagate flame like other materials.

### HURRICANE-SAFE STRUCTURE

A **KEPS** build can withstand high winds of up to 350 Km per hour, this unique feature translates into unparalleled home security. This is added protection for your investment and family in the wake of disaster especially considering the unpredictable climate changes that we face.

### LEADING THE FOAMWORK INDUSTRY

Protected by the **KEPS** foamwork from the exterior elements (heat, cold, wind), the reinforced concrete cures at its best, eliminating potential cracks. In contrast to conventional foundations and wood frame constructions, **KEPS**, walls do not deteriorate, suffer deformations or cracks. Superior quality of construction will reflect in a higher resale value.

### ENVIRONMENTALLY FRIENDLY

With less than 1% of material loss, **KEPS** foam work is one of the best eco-friendly construction product on the market. Components are free from harmful toxic gas and will not leave contaminated soils when disposed of.



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**KEPS** is still the first and only insulated structural formwork system that requires very little bracing due to the continuity of the vertical flap system that also serves to hold reinforcing steel in place.

### SIMPLICITY

Insulated formwork panels, spacers and corner pieces are the basic elements of the system.

### RAPIDITY

Projects are quickly completed by filling with a concrete pump.

### EFFICIENCY

**KEPS** is the first structural system that permits building high reinforced concrete walls that are insulated, soundproof and fireproof.



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