CANADIAN DOME INDUSTRIES LTD.

SIMPLE • EFFICIENT • THE MONOLITHIC DOME

4 Peters Avenue
PO Box 26053
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info@canadiandome.ca
www.canadiandome.ca

Residential Applications

What is a Monolithic Dome?

A monolithic dome is a custom built building that has a nylon reinforced vinyl fabric for an exterior skin, polyurethane foam for insulation, and reinforced concrete for structural integrity.

It is the ultimate building that combines: energy efficiency, safety, uniqueness, and longevity.

Why build a Monolithic Dome?

When built as a home, a monolithic dome provides numerous advantages over conventional building techniques:

Energy Efficient - a monolithic dome requires roughly 50% or less of the energy required to heat or cool a conventional home. A monolithic dome home is a perfect candidate for alternative energy sources.

Peace of Mind - sleep soundly at home and abroad knowing that no natural force - tornadoes, hurricanes, forest fires, lightning strikes, pests, or earthquakes - can compromise the structural integrity of a monolithic dome.

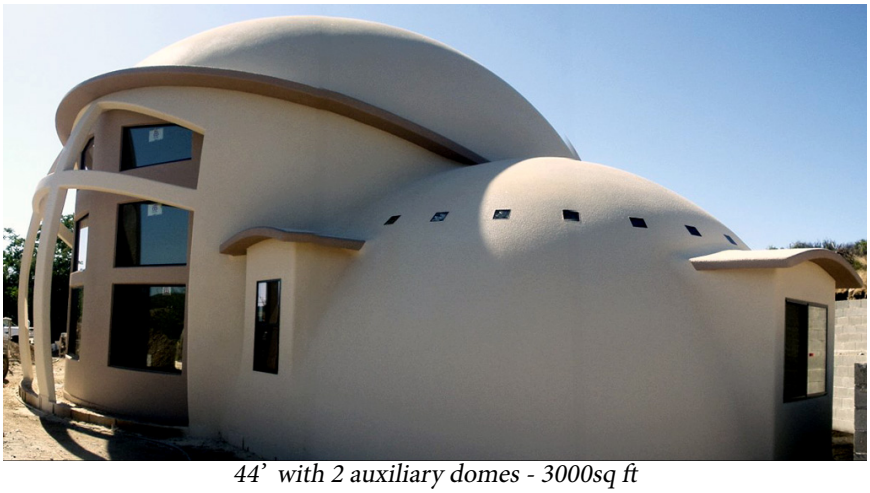
Architecturally Exquisite - the only limitations on aesthetics of a monolithic dome home are your imagination and finances. A monolithic dome can be built as unique as you and tailored to any style.

Low Cost of Ownership - the only maintenance item of the monolithic dome is, if left bare, the exterior vinyl airform, which after 20-25 years, a recoating may be desired for aesthetic reasons.

The low maintenance combined with minimal energy demands and reduced insurance rates, make the monolithic dome drastically cheaper to own. Choose to spend your money on things you enjoy; choose a monolithic dome home.

32' and 50' kidney shape - 3800sq ft

70' x 52' - 5800sq ft



44' with 2 auxiliary domes - 3000sq ft

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Comfort - there are three traits of a monolithic dome that are apparent when you go inside and close the door: how quiet it is, how consistent the temperature is, and how spacious it feels. A monolithic dome home allows you to make the outside world disappear by simply closing the door.

Sustainable - when considering the benefits and construction of a monolithic dome home, there are four factors that stand out for sustainability. First, the dome shape makes the most effective use of the construction materials. Second, there is very little waste generated during construction. Third, the entirety of the building can be readily recycled if ever decommissioned. And lastly, the superior energy efficiency over the dome's lifetime greatly offset the energy used to construct the dome.

Clear Span - generally overlooked, the fact that a monolithic dome is free of any supporting columns which allows great flexibility when designing a floor plan.

You can even get adventurous and hang a second level from the shell leaving the entire main floor open.

Rapid Construction - a monolithic dome shell can be built start to finish in weeks. Once the airform is inflated, the rest of the construction is completed inside - weather delays do not exist when building a monolithic dome.

Who is Canadian Dome Industries Ltd.?

Canadian Dome Industries Ltd. is a wholly Canadian owned company based out of Saskatoon, Saskatchewan and part of the CSBP Group of companies, which have been providing safe and quality service to multiple industries since 1968.

50' on stemwall - 3000sq ft

Two 23' on stemwalls - 1900sq ft

53' x 18' - 3100sq ft

20' x 12' - 314sq ft

40' with two augments - 2500sq ft

55' - 2500sq ft

40' x 17', two 34' x 15' - 4000sq ft