

# T\$T - ThermalShell Technologies

\* [www.thermalshell.com](http://www.thermalshell.com) \* <http://www.markostic.com/tst/index.html>



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## **ThermalShell Structurally-Advanced & Supper-Insulated Wall and Roof Panels (T\$T Wall and Roof Panels)**

**From Concepts to “Green” Buildings Reality towards Zero Energy Buildings  
Using T\$T Structurally-Advanced & Supper-Insulated Wall and Roof Panels**

Ingenious synergy of polyurethane super-insulation (30+ R-values) with optimal structural integrity of finished steel and proprietary, decorative concrete facade. The overall best wall and roof panels:

- Advanced Proprietary Concrete,
- Advanced Polyurethane Super-Insulation, and
- Advanced Optimization Engineering.

Integration and optimization of superior compression concrete properties with exceptional tensile steel properties, and superior insulation and adhesive properties of polyurethane, results in advanced hybrid panels that provide **energy savings from 60% to 85% or more:**

### **Environmental Advantages:**

- Saving energy reduces use of fossil fuels
- Reduced energy requirement enables use of renewable energy
- Reduced environmental pollution proportional to reduced energy use

### **Advantages for Building Owners**

- substantially lower heating/cooling energy cost
- superior insulation will require smaller size heating & a/c equipment and thus provide additional cost saving
- ThermalShell walls do not have local/thermal-bridging cold-spots and associated condensation problems
- Improved thermal uniformity without localized adverse temperatures
- structurally strong building
- reduction in outside noise pollution
- storm resistant
- fire resistant
- low maintenance
- mold / mildew / rot resistant
- vermin & termite resistant
- security fences

### **Advantages for Architects & Builders**

- Unlimited Design Flexibility
- Compliments Sustainable Design Architecture
- Incorporates Green Building Principles
- Unlimited Wall Finish Options
- Suitable for Residential, Commercial, Industrial or Warehouse Buildings.
- Pre-engineered Project Design
- Pre-manufactured Panels Arrive Ready to Set
- Faster Construction Time
- Smaller Work Crews
- Provide your Clients with the Best Wall Systems Available