



# CONTROL TEMP PACKAGING™



**THE COOLEST WAY TO SHIP!**

# CONTROL TEMP PACKAGING™



- Control Temp Packaging™ is a unique insulation for boxes. Based on a marriage of mineral fiber and plastic technology it is better, stronger, more compact, more environmentally friendly and more easily adaptable to new applications than expanded plastic foams.

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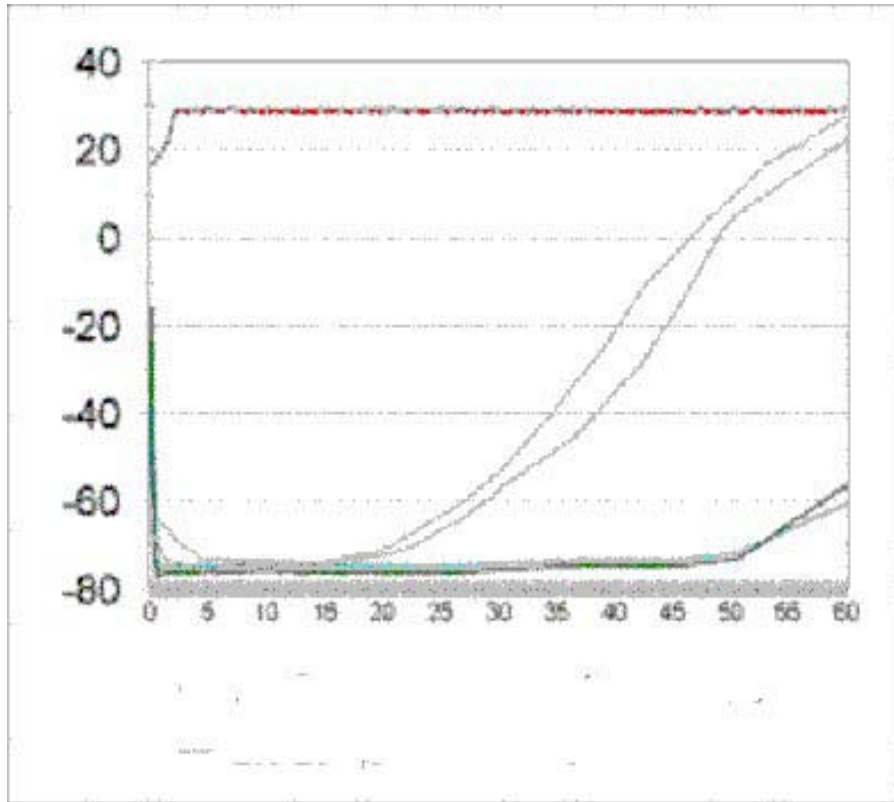


## Superior Insulation

Proven technology with thermal characteristics superior to the same thickness of many other materials including typical density EPS (expanded polystyrene) foam.

**It works better!**

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- A recent test of 1” thick Control Temp Packaging material vs. 1” expanded polystyrene foam insulation using dry ice as coolant. Twice the time at constant temperature!

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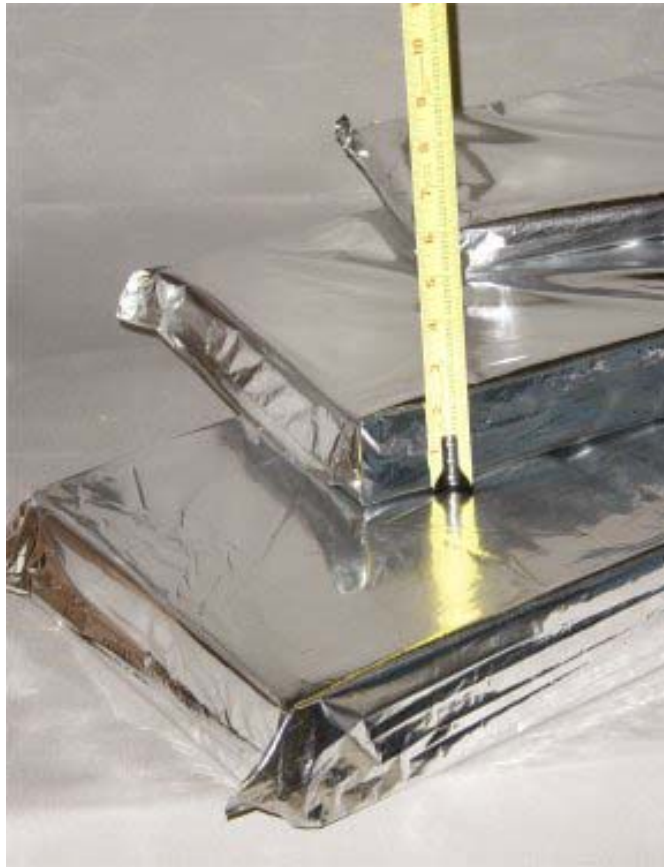


## Rugged Design

Control Temp Packaging is a strong semi-rigid liner that will not crack or split when dropped.

**Less product is lost !**

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- The right thickness of tough, plastic-encapsulated, mineral felt provides the strength and insulation needed for any application.

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## Space Saving

Control Temp Packaging takes up less room waiting to be used than foam coolers. Stores flat.

**Saves space and assembles easily in seconds!**

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- Pads and boxes store flat!

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- Control Temp Packaging's three pieces go together easily allowing quick assembly from stock stored flat. Saves room prior to use!

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## Environmentally Friendly

Control Temp Packaging is made mostly of a special type of inert mineral felt encapsulated in a small amount of stable polyester film lining a recyclable corrugated cardboard box.

**Low environmental impact !**

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## ENVIRONMENTAL STATEMENT

### Insulation

Most of the mass of Control Temp Packaging insulation consists of different types of rocks which are crushed, heated to 2800 degrees Fahrenheit, and converted to fiber. No hazardous gases are produced during or after completion of the manufacturing process. The insulation will crush to approximately one-fifth its original size. It is environmentally safe and void of any hazardous organic material.

### Corrugation

Corrugated outer box can be turned into a recycling center.

### Plastic

Plastic is FDA Grade laminated plastic glued together with an environmentally friendly glue. .

## GEL PACK SPECIFICATIONS

A one pound Control Temp gel pack contains 4 grams of polymerized cornstarch and 449 grams of water. The plastic bags are composed of a 15% ethyl vinyl acetate and polypropylene compound substance. The plastic has a thickness of 4 mil. Non toxic benign organic substance.



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- RNC Gel Paks are available in 8 oz., 12 oz., 16 oz. and 24 oz. Sizes.

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## Custom Sizes/Designs With No Tooling Costs

Control Temp Packaging is flexible in design. With an order of 500 units or above we can develop a box for your application, any size, without cost to you \*.

**No up-front investment !**

\* Chamber testing and printing available at additional cost.

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- RNC engineers can save you money and time in development costs. Tell us your problem and we will deliver a custom prototype at no charge!

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- Shipping refrigerated items like some vaccines, gourmet candies or fine foods is a snap with RNC Gel Paks!

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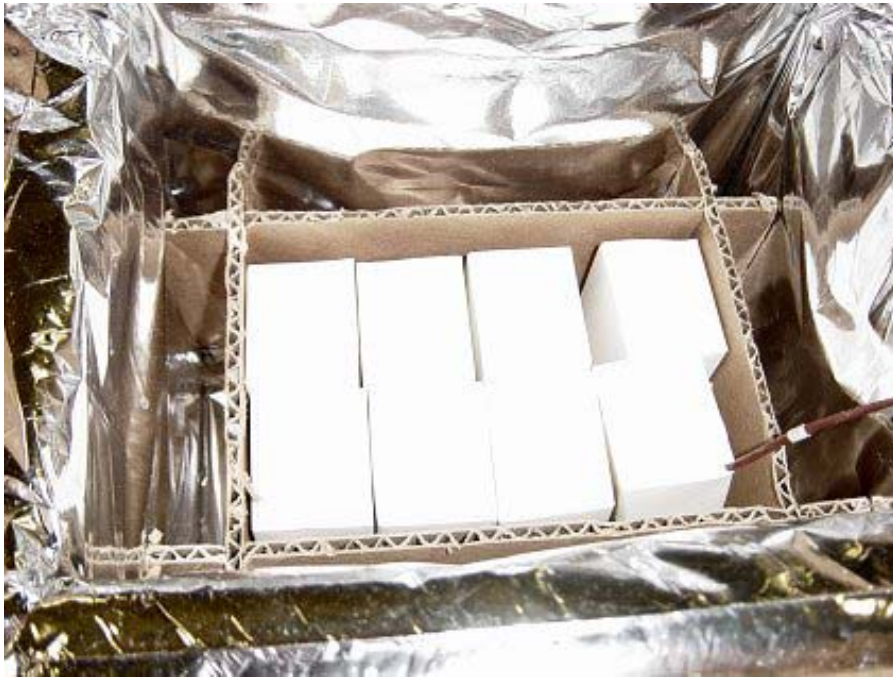
- Shipping frozen foods with dry ice is a snap!

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- Complex solutions like this two temperature zone box are made easy with Control Temp Packaging Engineering

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- Sometimes the load should be separated from the coolant as is the case with this pharmaceutical which needs to be cold but not frozen.

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- If the application calls for a water tight container the Control Temp Packaging box can be lined with a plastic bag as we do for the American Red Cross Tissue Services wet ice shipper.

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- Sometimes a complete Control Temp Packaging box is used within another. An air layer cuts conduction losses significantly.

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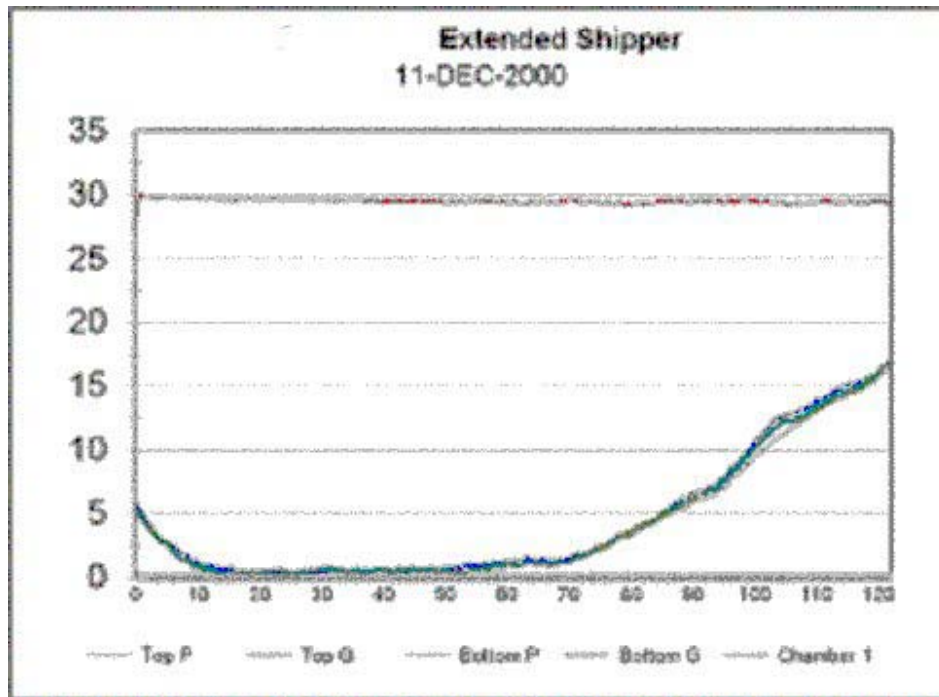
- Custom solutions are possible up through pallet load sizes!
- The one shown here can be adjusted for the part of the load needing thermal protection.

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- Here a custom solution using inner load boxes and Gel Pak coolant is wired with load thermocouples for chamber testing at RNC.

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- Control Temp Packaging materials have been proven in extensive testing and real world application. RNC can help with validation testing at RNC or arrange for independent lab testing.

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- Multi-color printing is available to enhance recipient's impression of the product

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- Or single color printing is available. Printing can be silk-screened in lower volumes or flexographically printed in high volume.

**CONTROL TEMP PACKAGING™**

*by*

*R.N.C. Industries, Inc.*

**THE COOLEST WAY TO SHIP**

**888-844-3864**

**(toll free)**

