



August 1, 2002

Mr. Joe Smith  
ABC Company  
7990 Auburn Rd.  
Concord Township, OH 44077



Subject: PadPak<sup>®</sup> Package Design for Saucer Plates

Dear Mr. Smith:

We designed a PadPak<sup>®</sup> package for two saucer plates provided by your company. In addition, we also conducted an ISTA drop test on our PadPak<sup>®</sup> package design. Following are detailed descriptions of our PadPak<sup>®</sup> design, drop test procedure and results.

**PadPak<sup>®</sup> Package Design for Two Saucer Plates:**

1. We used your existing box, which is an RSC – 32 ECT, single wall corrugated box with inside dimensions of 8-3/4" x 8-3/4" x 5".

2. Produced a 48 inch pad. Placed a saucer plate on top of the pad near one end as shown.



3. Fold the end of the pad over the top of the saucer plate and placed the second saucer plate on top of the pad as shown.



4. Roll wrap the saucer plates in the pad as shown.



5. Produced a 48 inch pad. Folded the pad in half to create a double thickness and placed it across the top of the box as shown.



6. Placed the wrapped saucer plates on top of the pad – centered as shown.



7. Lowered the wrapped saucer plates down into the bottom of the box.



8. Folded the remaining loose pad ends over top of the wrapped saucer plates.



9. Closed the flaps and sealed the box with pressure sensitive tape.
10. Total PadPak<sup>®</sup> used in this package design was **8 linear feet.**

### **ISTA Drop Test Procedure**

We conducted the drop test procedure on the packaged saucer plates in accordance with ISTA Integrity Test Procedure #1A. The package was subjected to one corner drop, three edge drops and six flat drops (one on each face) for a total of 10 drops. The weight of the packaged saucer plates was 2.05 pounds. Therefore, all drops were made from a height of 30 inches.

### **ISTA Drop Test Results:**

After the completion of the tenth and final drop, the package was opened and the two saucer plates were inspected for damage. We are happy to report that there was no damage of any type noticed on either of the saucer plates. Therefore, this PadPak<sup>®</sup> package design successfully passed the ISTA drop test procedure.

### **Summary & Comments:**

The PadPak<sup>®</sup> material used in this package design was 3 ply – 30/50/30. This material has excellent cushioning properties and is currently being used to package many types of fragile products like these saucer plates.

Although we were able to use your existing box for our PadPak<sup>®</sup> design, we would suggest that you consider increasing the box size to 9" x 9" x 5". This is a very common stock box size and it would make the packing operation a little easier. We would also like to note that it may be possible to reduce the amount of PadPak<sup>®</sup> used in this design, but this would require further package testing or sample test shipments. For reference purposes only, below please find a photograph of your existing Korvu & bubble wrap package design



The two saucer plates were packaged in the PadPak<sup>®</sup> design described above and will be delivered to you by your territory account manager.

Thank you for the opportunity to work on this project. If you have any questions regarding this PadPak<sup>®</sup> package design, please do not hesitate to contact me. I can be reached at (800) 726-7257 ext. 8124 or by e-mail at [sbaiers@ranpak.com](mailto:sbaiers@ranpak.com).

Sincerely,



Shawn M. Baiers, CPP  
Packaging Engineer