

# TEMPRECISSION INTERNATIONAL

Test 12.25 x 12 x 8" United States Postal Service – USPS® Priority Mail Box #7 Insulated Passive Shipping Container with Chocolate Gift Boxes

**Objective:**

Test USPS® Priority Mail Box #7 Insulated Passive Shipping Container under ISTA Summer and Winter temperature profile using ThermaBrick® Refrigerant Bricks as the primary refrigerant.

Corrugated box dimensions (exterior dimensions): 12.25 x 12 x 8 in (L x W x H)

Temprecision International 1.5in PET liner

Chocolate Gift Box Dimensions: 2x, 7.625 x 7.625 x 1.25in (L x W x H)

Payload (Chocolate + Gift box): 2x (16pcs), 0.57 Kg (1.26 lbs.), preconditioned at 4 °C (39.2°F)

Refrigerant: ThermaBrick® 3.26 Kg (7.19 lbs.),

Qty: 2-Side (4 ea.): 9.5 x 7.5 x 0.75in preconditioned at -17°C (1.4°F)

Qty: 2-Side (2 ea.): 9.5 x 7.5 x 0.75in preconditioned at -17°C (1.4°F)

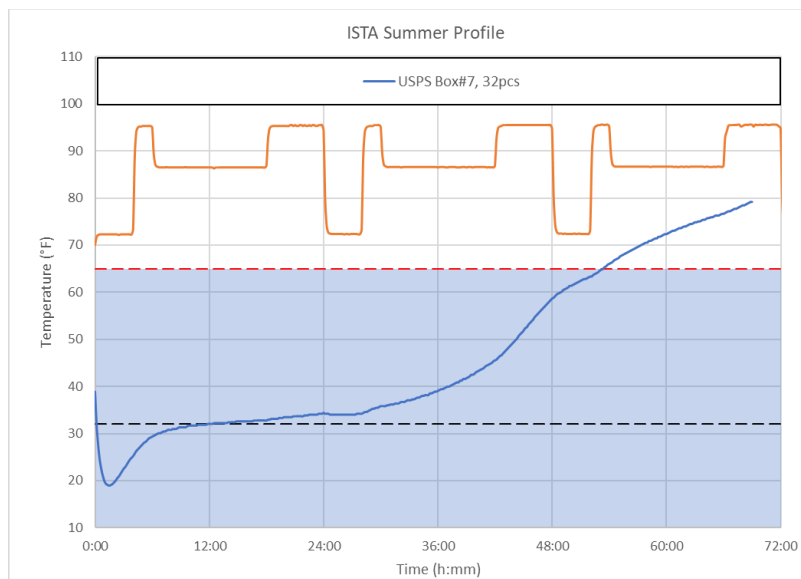
Total summer weight shipper with payload: 4.38 Kg (9.66 lbs.)

Total winter weight shipper with payload: 2.75 Kg (6.06 lbs.)

**ISTA Summer Profile:**

Time to reach 18.3 °C (65 °F) payload at the interior of the shipper box: 53:30 hrs.

Results: **PASS**



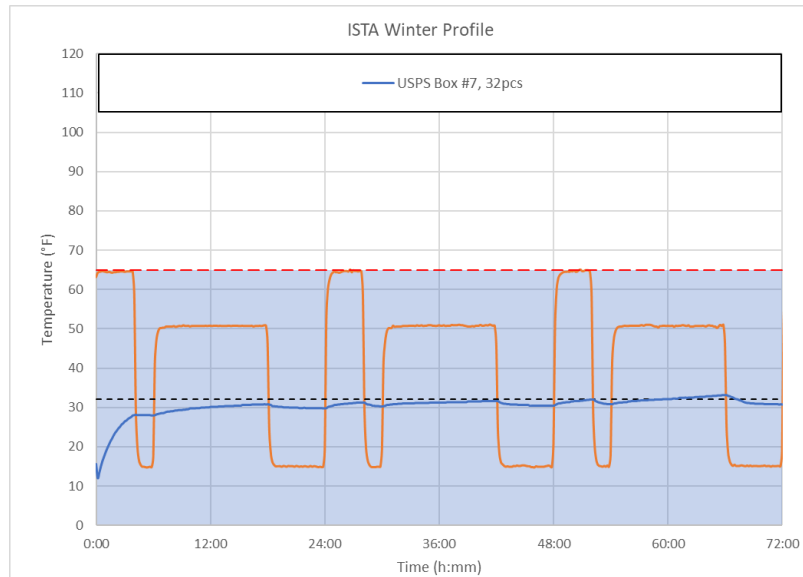
**Figure 1.** 12.25 x 12 x 8" USPS® Priority Mail Box #7 Insulated Passive Shipping Container under ISTA summer temperature profile, using ThermaBrick® Refrigerant Bricks as a refrigerant.

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## ISTA Winter Profile:

Time to reach 18.3 °C (65 °F) payload at the interior of shipper box > 72-hours

Results: **PASS**



**Figure 2.** 12.25 x 12 x 8" USPS® Priority Mail Box #7 Insulated Passive Shipping Container under ISTA winter temperature profile, using ThermoBrick® Refrigerant Bricks as a refrigerant.

## Packout Pictures:

