ThermalCoat US +05G for Single Pallet Shipments

For +2 °C to +8 °C shipments

DESCRIPTION

The Thermal Coat is characterized by its utilization of phase change materials (PCM), which directly encase temperature-sensitive goods. This qualified pallet solution can be used multiple times and enhances product safety during sea and air freight transportation. For example, it mitigates short-term temperature fluctuations. For bulk shipments application in a sea freighter with active cooling, the Thermal Coat provides an additional buffer in case of power failures or during transit. For single pallet shipments application on the tarmac, when equipped with the corresponding Thermal Coat Equipment, it can mitigate unplanned temperature spikes. The use of va-Q-gel (gelled PCM) offers several advantages, including the avoidance of liquid substances in aircraft, reduced weight, and enhanced leakage safety.

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Envirotainer°
Precision with Purpose

DIMENSIONS AND WEIGHT

External Dimensions (l x w x h)		Tare Weight[1]	
[mm]	[inch]	[kg]	[lbs]
1250 x 1050 x 1550	49.2 x 41.3 x 61	46.4	102.3

Payload Pallet Size	Minimum Payload Height[2]		Maximum Payload Height[2]	
	[mm]	[inch]	[mm]	[inch]
US	700	27.6	1400	55.1

[1]including Temperature Batteries
[2]due to adjustable height feature

TEMPERATURE BATTERY CONFIGURATION

va-Q-gel	Pieces	Dimensions[3] (l x w x h)		Weight		Material number
		[mm]	[inch]	[kg]	[lbs]	
34341 +05G	57	329 x 329 x 10	13 x 13 x 0.4	0.7	1.5	AK000492

[3]dimensions of empty Temperature Battery shell, variation due to PCM inside and aggregation state possible

PERFORMANCE The ThermalCoat US +05G for Single Pallet Shipments is qualified in the temperature range from +2 °C to +8 °C

Temperature scenario	Duration [hrs]	Average ambient temperature [°C]
regular summer	≥ 7.9	+39

For more details, please view the qualification report. Before performing a shipment with the ThermalCoat US +05G for Single Pallet Shipments it is suggested that the user performs a validation process with the equipment available and under the conditions available. A test in worst case conditions is recommended. The box provides a very stable and well-designed system solution which has to be adapted on the particular requirements of the user.

For more information please contact support@envirotainer.com.