

Product Presentation

Applicant Name:
Houston Packing Mfg. Limited

Product Name:
Heat Shield – Reflective Vest

Specification:

	S	M	L	XL
size	120	124	128	132
length	64	66	68	70
width	41.5	43.5	45.5	47

- **Core Functions:**
Lower temperature for site workers
- **Technology Used:**
Nano Coating Technology - combination of textile and metal
- **Construction Process involved:**
- **Key Improvement in Construction Process**
In terms of safety and health, lower temperature for site workers can reduce heatstroke and accident cause by overheat. It may also enhance productivity when workers can work under a cooler environment.
- **Job Reference:**
 1. Aegean Coast - property management, Tuen Mun , 2019
 2. Build King & SKEC joint Venture, Central Kowloon Route, Yau Ma Tai ,2020
 3. Kuly Construction & Engineering Company Limited,
Tolo Harbour Sewerage of Unsewered Area, 2021
 4. 中國建築, Organic Waste Treatment Facilities Phase 2 , Lo Wu, 2021
 5. Concentric – Hong Kong River Joint Venture, Public Landing Facility, Lei Yu Mun, 2021

Innovative Features

- Core Technology:

Nano Coating Technology - It has the properties of bot, light weight, flexible, able reflect sunlight, reflect UV radiation and reflect infrared radiation. We have used the coated cloth to make a reflective vest, which can reduce temperature rise from direct sunlight for 5 degrees.

- Patent (if applicable):

N/A

- Comparison with current practice and popular models:

The workers feel cooler and enhance the productive when wearing Houston Reflective Vest. However, our selling price is higher than traditional safety vest by 70%.

- Comparison with similar Pre-approved list products and competitors:

N/A

- First Launch Date:

2018

- Awards (if applicable):

ICHI Environmental Award 2016 (JAPAN)

Adoption Example

- Project for Illustration: Build King & SKEC joint Venture, Central Kowloon Route, Yau Ma Tai ,2020
- Work Process: N/A
- Use/ Function in project: Decreasing the temperature when the workers at the sites



Adoption Example

- Project for Illustration: 中國建築, Organic Waste Treatment Facilities Phase 2 , Lo Wu, 2021
- Work Process: N/A
- Use/ Function in project: Decreasing the temperature when the workers at the sites



Benefits – Safety & Environmental

- Improve Safety by:
 - Reducing the possibility of heat stroke caused by the high temperature in summer
 - Prevent the bacterial from spreading while the safety vests were dressed amount different users

