



**SIRIM**  
MS 1731:2004  
PC000834



# SIRIM CERTIFIED ***HIGH-VISIBILITY*** SAFETY CLOTHING

RRE ENGINEERING SDN. BHD. (520469-P)  
Lot 119, Jalan Industri 6, Kawasan Perindustrian Jerantut, 27000 Jerantut,  
Pahang Darul Makmur, MALAYSIA.

Tel : 09 266 2854      Fax : 09 266 7054  
Email : [info@rreeng.com](mailto:info@rreeng.com)      Website : [www.rreeng.com](http://www.rreeng.com)



Intertek





# MALAYSIAN STANDARD MS 1731:2004

## High-Visibility Warning Clothing

### WAISTCOAT

Fluorescent colour polyester fabric, zipper or velcro fastening.



**WC1BS**

Two reflective band over shoulders & one reflective band around body



**WC2B**

Two reflective band around body



**WC2BS**

Two reflective band over shoulders & two reflective band around body

### TABARD

Fluorescent colour polyester fabric, velcro fastening, elastic band at waist.



**T2B**

Two reflective band at front and back



**TVB**

Two reflective band over shoulders & one reflective band at waist



**TVB (TNB)**

Two reflective band over shoulders & one reflective band at waist

### HARNESS

Fluorescent colour polyester fabric, button or zipper fastening, velcro at waist.

### SHORT SLEEVE T-SHIRT

Fluorescent colour polyester fabric, short sleeves, ribbing collar, button down collar, glassbeads reflective tape.



**TS1BS**

Two reflective band over shoulders & one reflective band around body



**TS2B**

Two reflective band around body



**TS2BS**

Two reflective band over shoulders & two reflective band around body

### LONG SLEEVE T-SHIRT

Fluorescent colour polyester fabric, long sleeves, ribbing collar, button down collar, glassbeads reflective tape.



**TS1BS - L**

Two reflective band over shoulders, one reflective band around body & one reflective band on sleeves



**TS2B - L**

Two reflective band around body & one reflective band on sleeves



**TS2BS - L**

Two reflective band over shoulders, two reflective band around body & one reflective band on sleeves

## RAIN JACKET AND PANT

PU coated polyester, seam-sealed, back ventilation, elastic cuffs, double flap zip & velcro fastening, foldable hood and concealed with velcro. Black pant with elastic drawstring at waist & elastic bottom.



**RJ1BS & RP1B**

Two reflective band over shoulders & around sleeves,  
one reflective band around body & on pants leg



**RJ2B & RP2B**

Two reflective band around body & around sleeves.  
Two reflective band on pants leg



**RJ2BS & RP2B**

Two reflective band over shoulders, around body,  
around sleeves & on pants leg

## RAIN COAT

Knee length, PU coated polyester, seam-sealed, back ventilation, elastic cuffs, double flap zip & velcro fastening, foldable hood and concealed with velcro, two front pockets.



**RC1BS**

Two reflective band over shoulders & around sleeves,  
one reflective band around body



**RC2B**

Two reflective band around body & around sleeves



**RC2BS**

Two reflective band over shoulders, around body  
& around sleeves

## Jabatan Kerja Raya (JKR)

Range of JKR safety clothings. Comes with yellow reflective bands, JKR front logo and JKR backpatch.



**TVB**

Two reflective band over shoulders & one reflective band at waist



**WC2BS**

Two reflective band over shoulders & around body



**RC1BS**

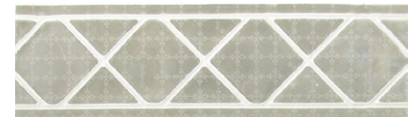
Two reflective band over shoulders & around sleeves,  
one reflective band around body



**RJ1BS**

Two reflective band over shoulders & around sleeves,  
one reflective band around body & on pants leg





MAS605 White



MAS605 Fluor. Lime Yellow



GP800 Silver



GP020 Silver



GP010 Silver



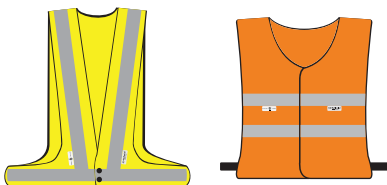
SIRIM

MS 1731:2004  
PC000834**MS 1731:2004**

MS 1731:2004 is a Malaysian Standard (SIRIM) which specifies the minimum performance requirements and test methods for professional high-visibility safety clothing to keep you safe and visible day and night. The standard establishes three classes of high-visibility safety clothing. This field guide provides safety managers, engineers, contractors, field personnel, and inspectors with guidance on selecting the types of high-visibility warning clothing.

**CLASS 1**

High visibility

**Specifications**

Background material  $> 0.14m^2$   
Retroreflective material  $> 0.10m^2$   
Combined performance material  $> 0.20m^2$

- For workers who need full and undivided attention to approaching traffic
- When work backgrounds are not complex
- When pedestrian workers are separated from traffic

- Parking lot attendants
- Security guards
- Shopping cart retrievers
- Warehouse workers
- Side walk maintenance workers
- Delivery vehicle drivers
- Building construction workers

**CLASS 2**

Higher visibility

**Specifications**

Background material  $> 0.50m^2$   
Retroreflective material  $> 0.13m^2$

- For workers who require greater visibility under inclement weather conditions
- When work background are complex
- When task divert attention from approaching vehicle traffic

- Roadway construction workers
- Traffic controllers
- Security guards
- Utility workers
- Survey crews
- Railway workers
- School crossing guards
- High volume parking or toll-gate personnel
- Airport baggage handlers / ground crew
- Emergency response personnel
- Law enforcement personnel
- Accident site investigators

**CLASS 3**

Highest visibility

**Specifications**

Background material  $> 0.80m^2$   
Retroreflective material  $> 0.20m^2$

- For pedestrian workers and vehicle operators whose high task loads place them in danger
- When the wearer must be conspicuous through the full range of body motions
- When wearer must be identifiable as a person

- Roadway construction workers
- Traffic controllers
- Utility workers
- Survey crews
- Airport baggage handlers / ground crew
- Emergency response personnel
- Law enforcement personnel