

Mega Water Sensitive Labels

Mega Holographic Labels

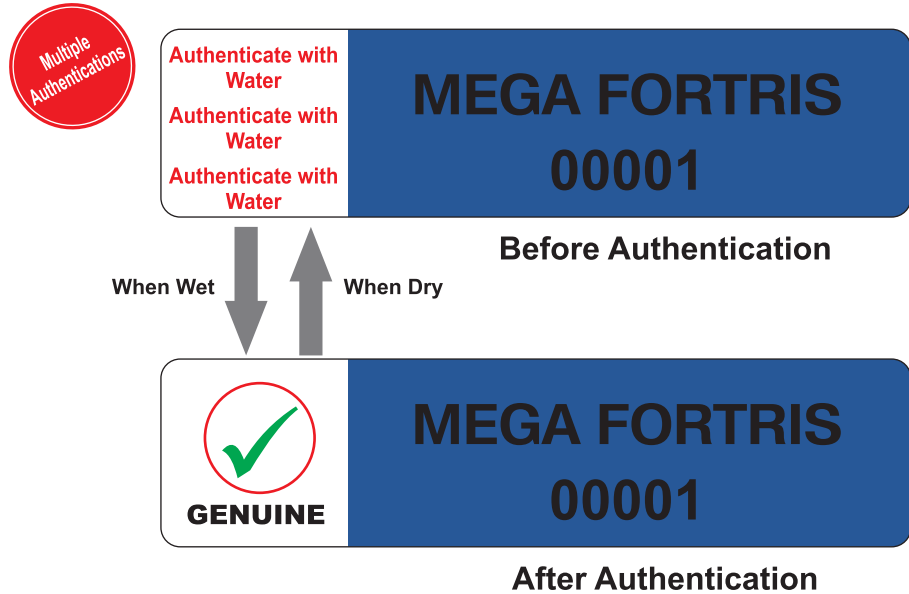
Mega Tamper Evident Labels Type TT

Mega Tamper Evident Labels Type PT

Mega Tamper Evident Labels Type NT

Mega Tyvek for Strong Contenders

Mega Water Sensitive Labels



Mega Water Sensitive Labels

Mega Water Sensitive Labels are authenticated by triggering a security pattern when the label comes into contact with water and returns to its original state when dried. Combined with Tamper Evident PT / NT Technology, Mega Water Sensitive Labels are a complete security solution for your authentication and security needs.

Water Sensitive Technology

- * Labels manufactured with WT sensitive technology appear normal in regular light, with no indication of a hidden message underneath.
- * Authenticity can be verified by applying water onto the label. This can be done anytime, anywhere.

Application

Anti-Counterfeit, Document Security, Forgery Protection, Product Authenticity Verification.

Adhesive

Adhesion Thickness : 1.0mil
 Minimum Application Temperature : 20°C
 Adhesion to Glass : Excellent
 Adhesion to LSE Plastics : Fair
 adhesion to HSE Plastics : Very Good
 Adhesion to Paper Substrate : Very Good
 Oil resistance : Good

Material Description

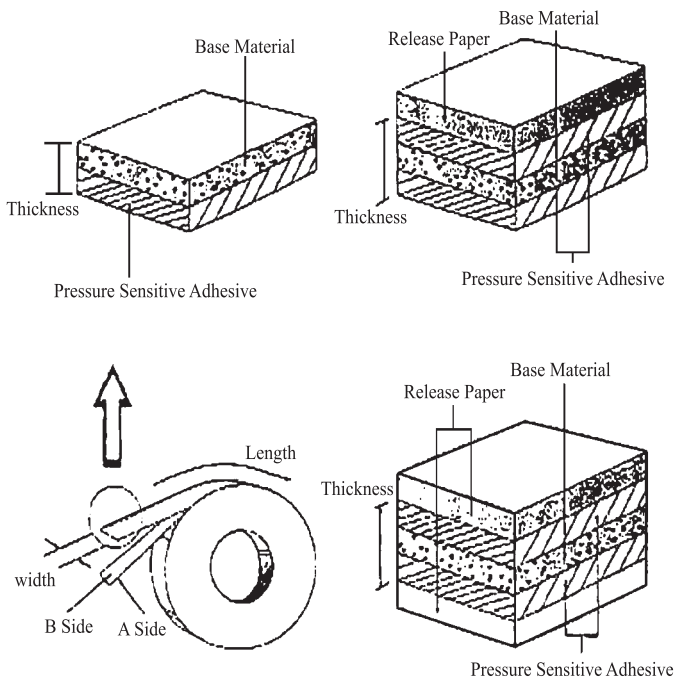
Overall Thickness : 2 mil
 Expected Outdoor Durability : 1 year
 Service Temperature : 20°C
 Available colors : Red and Blue (Standard) or customisable colors.
 Water Resistance : Good
 Solvent Resistance : Good
 Abrasion Resistance : Normal
 UV Resistance : Good

Storage Condition

Preserve a constant temperature of 20 - 30 degrees celcius. Avoid prolonged exposure to high humidity.

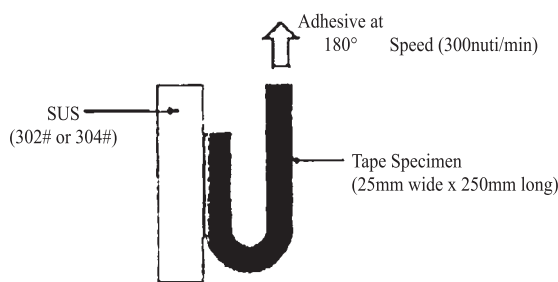
The Basic Performance of Pressure Sensitive Tapes

Tapes Structural Figures



Peel Adhesion Test

- Test Standard: PSTC-1
- Adhesion to Steel Plate:
Adhere one end of the specimen to the test panel (SUS) Using a roller with constant force. After a period of time, clamp the SUS board. The tape specimen is pooled at an angle of 180°. Use the average pull value obtained as the adhesion value.
- A 2kg rubber roller is used to adhere the tape specimen on the SUS board that has been cleaned and dried according to the required standard (# 302 or # 304). Leave to stand for 20 minutes before testing.



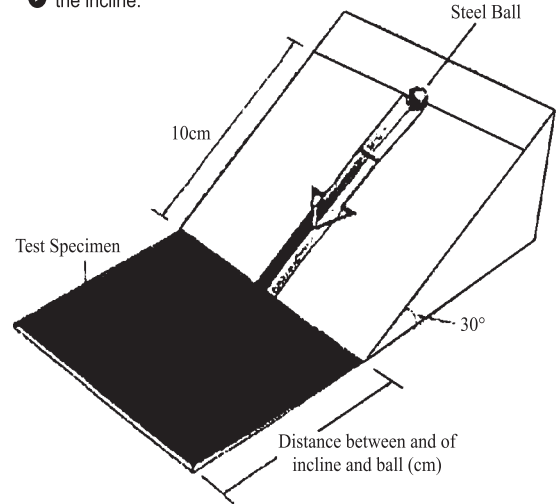
Initial Tack Test

- Test Standard: PSTC-6 (No. # 14 ball)

Initial Tack:

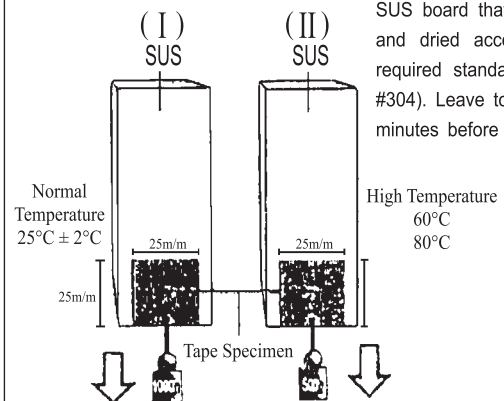
Arrange the tape specimen just removed from the roll adhesive side up in line with the raceway of the incline. Release the ball and allow it to roll to a stop on the adhesive. Measure the distance from the center of contact between the ball and adhesive to the near and of

- the incline.

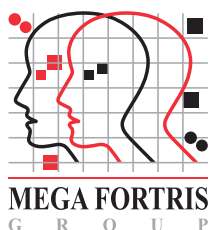


Holding Power Test

- Test Standard: PSTC-7
- Adhere the tape specimen to the test panel (SUS) using a roller with constant force. After a period of time, clamp the SUS board on the test stand so that the free end of the test specimen is vertical and apply the mass gently so as not to cause any shear impact force on the tape. Record the time elapsed in which the tape specimen completely separates from the test panel.
- A 2kg rubber roller is used to adhere the tape specimen on the SUS board that has cleaned and dried according to the required standard (# 302 or #304). Leave to stand for 20 minutes before testing.



- ★ The above tests are carried out with equipment, materials, procedures and specifications in accordance to CNS or PSTC standards.
- ★ The performance results from the experiments carried out above are according to the tapes characteristics and specific conditions set and these are supplied as a reference only.



MEGA FORTRIS GROUP

PREVENTION PROTECTION PEACE OF MIND