









# 100% PROOF OF AUTHENTICITY

Bubble Seal™ enables:		Color variations
<b>Authentication</b> Bubble Tag™		
<b>Traceability</b> Datamatrix code		
<b>Integrity</b> Destructible foil if tampered		
<b>Customer Relationship</b> Access to product Datasheet		

## Generation

The Bubble Tag™ is made of a translucent polymer inside which, as a result of a random phenomenon, self-generated bubbles appear. This constellation of bubbles forms the basis of the identity given to a product or document. Each Bubble Tag™ is unique and impossible to replicate, even by Prooftag.

### Identification

Once generated, each Bubble Tag™ is associated with a unique identifier. (alphanumeric reference, bar code, DataMatrix, RFID ...).

### Recording

After association, the 'identifier/Bubble Tag™' couple is recorded in an authentication database.

### Application

Rights owners apply the Bubble Tag™ to their products or documents.

### Activation

This recording becomes accessible over the Internet after authorization by rights holders (known as the 'activation' of Bubble Tags™). During this process, rights owners will enter a description of the product or document.

### Authentication Methods

The Bubble Tag™ can be authenticated by means of a visual or electronic comparison.

### Properties and use of the Bubble Tag™

- The Bubble Tag™ is extremely robust physically and does not break down
- The Bubble Tag™ remains recognizable when partially destroyed
- Each Bubble Tag™ is totally unique and impossible to reproduce
- The Bubble Tag™ is resistant to chemical attacks, bases and acids
- The Bubble Tag™ is not toxic
- The Bubble Tag™ resists pressures of 1000 N/cm<sup>2</sup>
- The Bubble Tag™ resists temperatures between -70°C/+150°C
- The life cycle of the Bubble Tag™ extends beyond 100 years.



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