



# CGM CIGIEMME S.p.A.



Controlli Non Distruttivi - Non Destructive Testing

**Product Code**  
01056901

**Ref. no.**  
F3.76CGM



## VELCONTRAST DRY POWDER

### PRODUCT DESCRIPTION

Velcontrast dry powder is a white powder developer for fluorescent penetrants. The particle size is around 5 µm, thus ensuring excellent surface coverage without the risk of dust overcrowding. Moreover, it is easily removable from the surface after inspection.

### COMPOSITION

Mixture of organic and inorganic particles.

**N.B.:** As with all CGM materials, Velcontrast dry powder is tightly controlled to ensure batch uniformity, optimal process verification and control reliability.

### SPECIFICATIONS

- White colour.
- Easy to apply.
- Non-toxic.
- Maximum sensitivity.
- Easy to remove.

### PACKAGING TYPE

- 1 kg buckets

### APPLICABILITY

Ideal for controlling:

- Meltings and castings.
- Aeronautical parts.
- Parts used in automatic systems.

### INSTRUCTIONS FOR USE

- Before using any developer, ensure that the surface under inspection is free of excess penetrant and thoroughly dried.
- Apply by dipping, electrostatic spraying or traditional blowing, forming a thin, even layer covering the surface.
- After inspection, developer residues can be removed by blowing off the dust or wiping with a clean cloth.

### TIME, TEMPERATURE OF USE AND USER RECOMMENDATIONS

NDT method	Fluorescent Liquid Penetrant Inspection
Shelf life	3 years at a temperature between 5°C and 45°C
Usage temperature	From 4°C to 52°C



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N. Registro Imprese, C.F. e P.I.: 05732470967 - N. REA: Mi -1843908 - Capitale Sociale: EURO 500.000.00 I.V.

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## TECHNICAL DATA

		Reference Standard
Appearance	White powder	
Odour	Odourless	
Form	A	AMS 2644 / EN ISO 3452-2
Density at 20°C	0.10-0.15 g/cm <sup>3</sup>	EN ISO 3452-2
Average particle size	≈ 5 µm	EN ISO 3452-2
Sulphur and halogen content	< 200 ppm	AMS 2644 / EN ISO 3452-2

Typical values.

## COMPLIANCE WITH STANDARDS

- ASME V Art. 6
- ASTM E165/E165M
- ASTM E1417/E1417M
- EN ISO 3452-2
- AMS 2644 (Complies with the standard, but not included in the QPL list)
- PMUC (certificate of conformity on request)

## BENEFITS

It is compatible with:

- Carbon steel.
- Stainless steel.
- Aluminium.
- Magnesium
- Titanium.

## HEALTH AND SAFETY

Read all health and safety information before using this product. This information can be found in the Safety Data Sheet, available on request.

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