

# Product Data Sheet

## ZP-4B Zyglö dry powder developer

### General Description

ZP-4B is a free flowing, white fluffy powder designed to develop fluorescent indications from all Zyglö penetrants.

ZP-4B is supplied ready for use. The product forms a thin film over the surface of the component to enhance defect indications.

### Composition

ZP-4B consists of a mixture of inert developing powders.

### Advantages

- ✓ Easy to use and apply
- ✓ Excellent sensitivity
- ✓ Gives bright indications
- ✓ Cost effective

### Typical properties (Not a specification)

Form	⇒	Fluffy white powder
Density	⇒	0.25 g / cm <sup>3</sup>
Sulfur content	⇒	< 200 ppm
Chloride content	⇒	< 350 ppm

Like all MAGNAFLUX materials, ZP-4B is closely controlled to provide unique batch to batch consistency & uniformity to assure optimum process control and inspection reliability.

## **Method of Use**

ZP-4B Dry powder developer is applied to the test surface after the part has been dried. ZP-4B may be applied by dusting, powder puffer, powder storm or electrostatic spray techniques. Allow a developing time of at least 10 minutes before inspecting under U.V(A) light.

ZP-4B produces bright yellow green indications with Zyglo penetrants.

Post cleaning of the tested component can be carried out if required, by an appropriate technique. Developer residues can be removed either by wiping with a cloth or by a water and detergent wash. Penetrant residues can be removed by vapour degreasing or a solvent soak.

## **Specification compliance**

- |  |   |
|--|---|
| <input type="checkbox"/> MIL-I-25135             | <input type="checkbox"/> MIL-I-6866               |
| <input type="checkbox"/> MIL-STD-271             | <input type="checkbox"/> PRATT & WHITNEY PMC 4356 |
| <input type="checkbox"/> ASME B & PV Code, Sec V | <input type="checkbox"/> BS 6443                  |
| <input type="checkbox"/> ASTM E-165              |   |

ZP-4B is available in 1 Kg and 5 Kg packs.

## **Safety**

Safety data sheets for this product are available on request.

Avoid breathing product dust when handling.

Avoid contact with skin and eyes.

Wear suitable gloves and eye protection if there is a risk of skin or eye contact.



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