

# ZChék F18

## For Wet Method Fluorescent Magnetic Particle Testing

ZChék F18 is a dry, free flowing, brown magnetic powder used in wet method fluorescent magnetic particle inspection. ZChék F18 is designed for high sensitivity inspection and exhibits sharp fluorescence brightness under ultraviolet light (wavelength of 365 nanometers). It gives long bath life without generating any undesirable loose pigment.

ZChék F18 is oil-based powder, hence to be used with Z801 cart oil.

### Specifications / Approvals

- ASTM E 1444,
- ASME B & PV Code, Sec. V,
- AMS 3044
- ASTM E 709

### Applications:

ZChék is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

### Typical Properties:

Color Under White Light	Brown
Color Under Black Light	Yellow-Green Fluorescence
Mean Particle Size	6 Microns
SAE. Sensitivity	8-9
Max. Operating Temperature	48.9°C Maximum
Settling volume	0.15-0.25 ml

### Direction for use

Use F18 at 1.25 grams per liter. Run the pump for 15 minutes before testing.

- Check the concentration before use at least once each day using centrifuge tube.
- Parts should be clean and dry prior to testing.
- The bath must be under continuous agitation
- Using the wet continuous method, the bath is applied to all surfaces of the part. The instant the bath stream is removed from the part the magnetizing current is applied.

### Packaging– 0.5 kg Container.

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Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.

ISO 9001 Certified

