

ZChék F18B

For Wet Method Fluorescent Magnetic Particle Testing

ZChék F18B is a water based concentrate consisting of prepared liquid concentrate of fluorescent powder, wetting agents and corrosion inhibitors.

ZChék F18B is to be used with water bath.

Specifications / Approvals

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

Applications:

ZChék F18B 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. Operation Temperature	48.9°C Maximum
Settling volume	0.15-0.25 ml

Direction for use

Use F18B concentrated liquid at 50 ml per liter of water.

- Shake ZChék F18B container well to suspend the settled particles and to attain uniform distribution of particles in the concentrate.
- Check the concentration of the bath 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 – 1 ltr. / 5ltr. pail.

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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

