



Technical Information Bulletin

TURCO® Fluro-Chek DD-2-B

DRY POWDER DEVELOPER

Description:

TURCO® Fluro-Chek DD-2-B Developer is a fluffy, dry, white powder utilized by blowing a thin cloud of developer powder onto the dried surface following penetration. This may also be done using a fluidized bed technique, and dipping the part into it.

Applicable specifications:

TURCO® Fluro-Chek DD-2-B Developer meets the requirements of MIL-I-25135 D&E; MIL-Std-8866; Type I, Method A, B, C and D, form a; ASME Sec. V; ASTM E-165.

Features:

TURCO® Fluro-Chek DD-2-B Developer offers these features:

1. Rapid development of fluorescent indications.
2. Enhances acuity, and brightness of fluorescent indications.
3. Shows exceptional adhesion to test surfaces.

Use instructions:

Pre-clean: Remove paint, scale, and rust. Using a cleaner/remover remove all grease and dirt. Area to be inspected must be thoroughly clean and dry.

Application: Apply penetrant by dipping, spraying or brushing so that the area to be inspected is wet with the penetrant. Allow 3 to 15 minutes drain/dwell time.

Removal: Utilizing appropriate techniques for either water washable, or post emulsifiable fluorescent penetrants, remove excess penetrant from test surface.

Dry: Air or oven dry up to 160°F (70°C). Use minimum time required to achieve dryness, part temperature should not exceed 120°F to 140°F (50-60°C).

Develop: Apply TURCO® Fluro-Chek DD-2-B Developer by either dipping test parts into developer, or by blowing a thin cloud of powder onto the dried surfaces. Allow developer to dwell 1-15 minutes.¹

Inspect: Examine under black light with as little ambient visible light as possible for fluorescent indications.

¹ A good rule of thumb is to allow half the time for development as was allowed for penetration for the type of defect sought. This time is longer for very fine discontinuities and shorter for the more open, easily detected cracks.

Controls:

Appearance:	Fluffy, white dry powder
Fluorescence:	No fluorescence
Bulk Density:	18.2 PCF
Lumping Test:	No lumps
Brightness Index:	Exceeds MIL-I-25135 D & E Standard
Sulfur:	0.011%
Sodium:	0.0123%
Chloride:	0.0145%
Fluoride:	< 0.001%

Disposal information:

Dispose of unusable powder per local, state and regional regulations. Refer to your TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

Safety:

This product is intended for industrial use only by qualified personnel. Users should read the Material Safety Data Sheet before using. Do not smoke or eat while using this product, or until your hands are washed. Avoid breathing the dust. Wear dust mask.

Before using this product refer to container label and TURCO Material Safety Data Sheet for additional precautionary, handling and first aid information.

Notice:

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.

6/91