

# TECHNICAL DATA SHEET

Dy-Mark (Aust) Pty Ltd

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[www.dymark.com.au](http://www.dymark.com.au)



## Dy-Mark FLAWCHEK



**Dy-Mark Flawchek** is a four part visible inspection process that conforms to ASME, ASTM E165 and AS 2062 TYPE 2 METHOD C. **Flawchek** is ideal for detecting cracks and flaws in metals and castings that are not visible to the naked eye.

### DIRECTIONS FOR USE

#### Before Spraying:

Shake can at least 45 seconds **AFTER** the mixing ball begins to rattle. Shake the can occasionally during use.

#### Step 1 – PRECLEAN (Grey):

It is essential to ensure that the part/area to be tested is clean, dry and free from all surface contamination (e.g. grease, oil, rust and paint). Spray the area to be inspected and wipe thoroughly with cloth. Allow clean surface to dry.

#### Step 2 – PENETRANT (Red):

Spray Penetrant dye over the cleaned area that is to be inspected. Allow Penetrant to dwell for 10 minutes. Dwell time should be extended in extremely cold conditions.

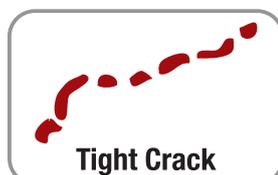
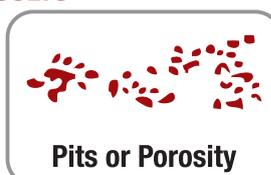
#### Step 3 – REMOVER (Blue):

Allow excess Penetrant to drain. Wipe over inspected surface with a dry cloth. Then spray Remover on another cloth and wipe surface to remove excess Penetrant. Allow surface to dry before using Developer.

#### Step 4 – DEVELOPER (White):

Spray a light coat of the Developer over the area to be inspected, avoiding a heavy film. Leave developer to dry and inspect parts for flaws after 2-3 minutes. If very fine flaws are suspected, the parts should be re-inspected after 20 minutes.

### VISIBLE INSPECTION RESULTS



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## TECHNICAL DATA

<b>Size:</b>	350g Aerosol
<b>Steps:</b>	STEP 1 - PRECLEAN (Grey cap) STEP 2 - PENETRANT (Red cap) STEP 3 - REMOVER (Blue cap) STEP 4 - DEVELOPER (White cap)
<b>Consistency:</b>	Liquid
<b>Propellant:</b>	Hydrocarbon (STEP 1 - PRECLEAN, STEP 2 - REMOVER and STEP 4 - DEVELOPER) Dimethyl ether (STEP 3 - PENETRANT)

## STORAGE

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

## DISPOSAL

Dispose of contents/container according to regional regulations.

## FIRST AID / SAFETY INFORMATION

Please refer to Safety Data Sheet before use. Safety data sheets are available from our website [www.dymark.com.au](http://www.dymark.com.au) or from the following QR code:



**Call a POISON CENTRE: Australia 13 11 26, New Zealand 0800 764 766** or doctor/physician if you feel unwell.

Intentional misuse by deliberately inhaling contents can be harmful or fatal.

**KEEP OUT OF REACH OF CHILDREN.**

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## DISCLAIMER

The information provided within this Technical Data Sheet is intended as a guide only. The performance of this product will depend on many factors outside the control of Dy-Mark; including surface preparation, surface-specific conditions, surface types, correct application and environmental conditions.

Dy-Mark recommends customers undertake their own risk assessment prior to use, to determine the suitability of the product for the particular use intended.

It is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs on the specific surface.

For further information please contact the Dy-Mark Sales and Customer Support Centre on 1300 396 275.