

## TECHNICAL DATA SHEET

# CalCheck™ D-2

## Solvent Based White Developer

Code 1562

### DESCRIPTION

CalCheck™ D-2 Developer is a solvent based white Developer that aids in the rapid migration of flaw entrapped penetrant, enhancing the visibility of surface-breaking defects. CalCheck™ D-2 is the final step of a three-step process along with CalCheck™ VP-2S Solvent Removable Visible Penetrant and CalCheck™ R-2S Cleaner/Remover.

### FEATURES & BENEFITS

- Covers the test surface completely as a thin, uniform, bright white matt coating.
- Quickly wicks out penetrant from surface-defects.
- Easily re-dispersible, quick drying ready-to-use formulation.
- Enhances penetrant contrast by obliterating background interference for easy indication detection.
- Easily removed by light brushing or spray water rinse.
- Meets stringent low sulfur and chloride requirements.

### DIRECTIONS

**Note:** These instructions describe the basic process and may need to be amended by the user to comply with applicable specifications and/or inspection criteria provided by the contracting agency.

1. SHAKE the aerosol can thoroughly to ensure the contents are consistently mixed.
2. CLEAR the nozzle of the aerosol can before use by depressing the nozzle and position the can around 20cm from the surface of the test area. Note that the ambient temperature and wind (if using outdoors) will require this distance to be changed for optimum performance.
3. PREPARE the test area by cleaning the surface with Cleaner/Remover such as CalCheck™ R-2S. Allow 30 seconds dwell time before wiping CalCheck™ R-2S Cleaner/Remover from the surface with a clean, dry, lint-free rag or towel.
4. APPLY a thin even film of CalCheck™ VP-2S penetrant to the test area. Allow 5-30 minutes dwell time based on any defined procedure requirement.
5. REMOVE excess penetrant from the test area using a lint-free cloth moistened with CalCheck™ R-2S Cleaner/Remover and allow to dry.
6. DEVELOP by spraying CalCheck™ D-2 Developer directly on to the test area. Allow 10-30 minutes development time based on any defined procedure requirement.
7. INSPECT the test area for discontinuities under suitable visible lighting.



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8. REMOVE all penetrant from the test area by cleaning with CalCheck™ R-2S Cleaner/Remover.

### PHYSICAL PROPERTIES

Colour: White  
Density: 0.88 g/ml  
Flash Point: 6°C

### ORDERING INFORMATION

Product Code	Packaging
1562/400	400ml (Aerosol)

### SPECIFICATION COMPLIANCE

- ASME BPVC Section V
- ASTM E165
- AMS 2644

### DANGER

Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness.

### PRECAUTION

Wear eye protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not pierce or burn, even after use.

### FIRST AID

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/ attention.

### STORAGE

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

### DISPOSAL

Dispose of contents/container in accordance with local regulation.

### SHELF LIFE

60 months (5 years) from date of manufacture.

### BATCH NUMBERS

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Batch numbers can be found on the bottom of aerosol cans or labels of bulk containers. Certificate of Conformance documents are provided with the product or can be downloaded from [www.callington.com](http://www.callington.com)

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