

DYE PENETRANT CRACK DETECTION

With dye penetrant crack detection, penetrant dye is used to show the existence and the location of the crack. This is especially helpful for aluminum castings which do not react to magnetic detection.

INSTRUCTIONS

1. Thoroughly clean the surface of the casting which is to be checked. It should be free of oil, grease and moisture.
2. Spray the surface of the casting with the penetrant - Kwik-Chek #1. Allow time for the penetrant to dry - usually about 3 minutes (more time in colder weather).
3. Spray the same surface of the casting with the remover - Kwik-Chek #3. Immediately rinse with water and wipe clean and dry.
4. Shake the Kwik-Chek #3 Developer until the agitators rattle and then spray the surface with a very light coating.
5. As the thin coat of developer dries, cracks and porosity on the surface of the casting will show up in red lines or dots.

Kwik-Chek Kit (Part No. 400-1310-01)



Includes:

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|---------------------|-------------|
| # 1 - Dye Penetrant | 400-1320-01 |
| # 2 - Remover | 400-1320-02 |
| # 3 - Developer | 400-1320-03 |

CAUTION: THE PROPELLANT IN THE KWIK-CHEK CANS IS EXTREMELY FLAMMABLE. When storing or using the cans, keep them away from all flames and extremely hot areas. Review the Material Safety Data Sheets.

