



水務署  
Water Supplies Department

總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (1) in WSD 3318/50 Pt. 9 T/J 1  
Our ref.  
來函檔號 :  
Your ref.

電話 : 2829 4355  
Tel.  
傳真 : 2824 0578  
Fax.

8 August 2022

Distribution: To all Licensed Plumbers and Authorized Persons

Dear Sirs,

**WSD Circular Letter No. 6/2022**

**Ensuring Adequate Illumination  
for Carrying out Non-Destructive Tests at Solder Joints**

Currently, during inspection of the inside service, non-destructive tests of lead content at solder joint samples selected by the Water Authority (WA) shall be carried out according to the requirements set out in Section 4.3.4 and Appendix 12 of “Guide to Application of Water Supply”. The method of non-destructive tests on solder joints shall be agreed by the WA. The tests shall be arranged by the Licensed Plumber (LP) and witnessed by representatives of the WA.

2. When conducting the non-destructive test for solder joint, adequate and suitable illumination is essential as it might affect the visibility and the judgment of the color developed after applying the test.

**Additional Requirements**

3. In case the sunlight or in situ illumination is considered insufficient by representative of the WA for conducting the non-destructive test for solder joint and making a judgement of the color, LP should provide flashlight with neutral white light (i.e. 4000K to 4700K) and greater than 200 lumens to facilitate the judgment of the color of the test.

**Effective Date**

4. The above additional requirements will be effective on or after 8 October 2022.

**Enquiry**

5. Should you have any enquiry, please contact our Engineer/Technical Support(2) at telephone no. 2829 4484.

Yours faithfully,

(Original Signed)

(YAU Hau Yin)

for Water Authority

Encl.  
(with Chinese translation)

c.c.

Housing Department (Attn: SM/QM)

Buildings Department

Architectural Services Department

Fire Services Department

The Hong Kong Housing Society

The Hong Kong Institute of Architects

The Hong Kong Institution of Engineers

The Hong Kong Institute of Surveyors

The Chartered Institute of Plumbing and Heating Engineering – Hong Kong Branch

Hong Kong Plumbing and Sanitary Ware Trade Association Ltd.

Hong Kong Licensed Plumbing Professionals Association Ltd.

Hong Kong Water Works Professionals Association Ltd.

The Hong Kong Institution of Plumbing and Drainage Ltd.

Plumbing Technology Student Association

The Association of Registered Fire Service Installation Contractors of Hong Kong Limited

Real Estate Developers Association of Hong Kong

Hong Kong Institute of Vocational Education

Hong Kong Institute of Construction, Construction Industry Council

The Hong Kong Construction Association, Ltd.

Hong Kong General Building Contractors Association Ltd.

The Hong Kong Federation of Electrical & Mechanical Contractors Ltd.

Contractor's Authorised Signatory Association Ltd.

Registered Minor Works Contractor Signatory Association Ltd.

Hong Kong Registered Contractors Association Company Ltd.

Hong Kong Licensed Plumbers Union Limited

Hong Kong Metropolitan University Li Ka Shing School of Professional and Continuing Education

The Association of Electrical and Mechanical Engineering (Hong Kong) Ltd.

Pipeman Engineering (International) Limited

Hong Kong Institute of Water and Sanitation Safety

WSD 3318/15/8