



Work Safety Alert Use of Electrical Concrete Breaker

1. **Date of Accident :** October 2012
2. **Place of Accident :** A residential unit under renovation in Pok Fu Lam
3. **Summary :**

It is reported that a worker was suspected to have been electrocuted while operating an electrical concrete breaker for breaking tiles inside the bathroom of a residential unit under renovation.

4. **Work Safety Alert for Contractors/Employers :**

To combat the electrical hazard in respect of using portable electrical apparatus, contractors/employers should take the following safety precautionary measures:

- Portable electrical apparatus must be **well designed and constructed** e.g. being of double-insulated design or properly earthed.
- Electrical circuits to which they are connected must be protected by **suitable and adequate fuses and circuit breakers** properly installed and efficiently maintained.
- **Electrical apparatus should be properly maintained. They should be checked before use.** Any damaged or faulty parts should be repaired or replaced immediately. Only plugs and sockets complying with the relevant safety standards should be used in conjunction with residual current device for earth leakage protection.
- If electrical work is to be carried out under **unsafe site condition**, such as **wet environment**, a comprehensive risk assessment should be



conducted by a competent person. Appropriate safety precautions should be devised and implemented to eliminate or properly control the electrical hazard involved.

- Safety training on electrical safety and proper handling of electrical tools and their associated fittings should be conducted regularly.
- Suitable personal protective equipment, such as insulating gloves and mat, should be provided for use if necessary.
- Adequate monitoring and effective supervision should be exercised to ensure that the above safety precautionary measures are strictly followed.

5. Reference :

- [A Guide to the Factories and Industrial Undertakings \(Electricity\) Regulations¹](#)
- [Guidance Notes for The Safe Isolation of Electricity Source at Work¹](#)
- [Guide for Safety at Work – Safe Use of Electric Plugs¹](#)
- [《電力工作意外致命個案集》¹](#) (Chinese Version Only)
- [Basic Electrical Safety Measures in the Workplace¹](#)

¹ Click to view the document



職業安全及健康部
Occupational Safety and Health Branch
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Labour Department



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