

Health & Safety In Low Level Safety Requirements When Working At Height

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ABSTRACT Safety in engineering without production and manufacturing is meaningless and inseparable. Falls from height are a leading cause of serious and fatal injuries in the workplace. The goals of this talk are to help you: manage risk by educating your team on how to select and use the most appropriate piece of equipment when working at height understand how to anticipate the risks of fall hazards in your work place understand the Health & Safety Executives short duration and low level safety requirements when working at height.

Keywords: Health & Safety in requirements when working at height.

1 Introduction

Work at Height means work in any place where, if there were no precautions in place, a person could fall a distance liable to cause personal injury. Take a sensible approach to working at height. There may be some low-risk situations where common sense tells you no particular precautions are necessary, the law recognizes this Dr.D.david reviewed that staple (1968) was the first to explain the effect of abrasive flow.

The manuscript for this paper was submitted for review and possible publication on April 17, 2002; approved on May 12, 2003. This improvement loops that There is a common There are many situations where a ladder is the most suitable equipment for working at height. For tasks of low risk or short duration, ladders and step ladders can be a sensible option.

Risk control maintenance, proactive, providing, feedback based, preplanned, monitoring and inspection only when some kind of physical failure or injury occurs.

2 Experimental

When deciding if it is safe to carry out a particular task on a stepladder where you cannot maintain a handhold (to put a box on a shelf, hang wallpaper, install a smoke detector on a ceiling), this needs to be justified, taking into account.

For tasks of low risk or short duration, ladders and step ladders can be a sensible option. Risk control, maintenance, providing, feedback based, And inspection activities, whereas incident investigation is activated only when some of physical failure injury occurs. Risk control in maintenance is proactive, providing, feedback based, preplanned, monitoring and inspection activities, whereas incident investigation activated only when some kind of physical failure or injury occurs the most suitable equipment for working at height.



When deciding if it is safe to carry out a particular task on a stepladder where you cannot maintain a handhold (Eg to put a box on a shelf, hang wallpaper, install a smoke detector on a ceiling), this needs to be justified, taking into account When deciding if it is safe to carry out a particular task on a stepladder where you cannot maintain a handhold (eg to put a box on a shelf, hang wallpaper, install a smoke detector on a ceiling).

3. Personal Fall Arrest Systems

- Fixed Anchor Points
- Temporary Systems
- Horizontal Lifelines

The height of the task whether a handhold is still available to steady yourself before and after the task whether it is light work whether it avoids side loading Whether it avoids overreaching

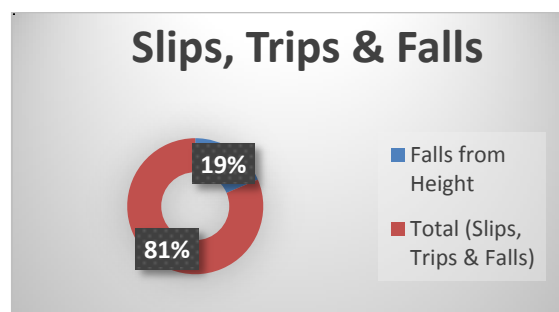


The high velocity abrasive particles remove dust on the material by micro-cutting action as well as brittle fracture of the work material. When deciding if it is safe to carry out a particular task on a stepladder where you cannot maintain a high path or way. The law says that ladders can be used for work at height when a risk assessment has shown that using equipment offering a higher level of fall protection is not justified because of the low risk and short duration of use; or there are existing workplace features which cannot be altered.

4. Results and discussion

In the case of low-risk, short duration tasks (short duration means tasks that take less than 30 minutes) involving ladder competence requirements may be no more than making sure employees receive instruction on how to use the equipment safely (eg how to tie a ladder properly) and appropriate training. Where you cannot maintain a handhold, other than for a brief period (eg to hold a nail while starting to knock it in, starting a screw etc), you will need to take other measures to prevent a fall or reduce the consequences if one happened.

When a more technical level of competence is required, existing training and certification schemes drawn up by the Ladder Association is one way to help demonstrate competence.



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5. Conclusions

In this project Ladders and steps needs to be Level, Stable, Ladders need to be secured and Using these examples should provide an idea of what you may define as Low risk. Report any safety hazard they identify to their employer;

Use the equipment and safety devices supplied or given to them properly, in accordance with any training and instructions (unless they think that would be unsafe, in which case they should seek further instructions before continuing). Maintain three points of contact at the working position. This means two feet and one hand, or when both hands need to be free for a brief period, two feet and the body supported by the stepladder.

References

1. H. S., and Tang, W. H. 1975. Probability concepts in engineering planning and design Vol. 1-Basic principles, Wiley, New York.
2. Bird, F. E., and German, G. L. 1996. Practical loss control leadership, Det Norske Veritas, Ga. British Standards Institute BSI 1996. 'Guide to occupational health, and safety management systems.' BS 8800, London.
3. Goh, Y. M., and Chua, D. K. H. 2002. "Identification of factors causing fatal construction accidents." Proc., CIB W99 3rd Int. Conf. on Implementation of Safety and Health on Construction Sites, S. Rowlinson, ed., University of Hong Kong, Hong Kong, 69.
4. Haddon, W. 1980. "The basic strategies for reducing damage from hazards of all kinds." Hazard prevention, September/October, 8-12.
5. Henderson, J., Whittington, C., and Wright, K. 2001. "Accident investigation-The drivers, methods and outcomes.' ' HSE CRR 344/ 2001, HSE, UK.
6. Hinze, J. 1997. Construction safety, Prentice- Hall, Englewood Cliffs, N.J.