

Diamond Core Drilling Control Sheet

To control exposure to respirable crystalline silica (RCS) and comply with the 2002 COSHH regulations protecting the workers health.

- Diamond coring can create high dust levels
- Breathing this dust may cause lung disease
- Keep exposure as low as possible using all the controls in this sheet



Use all of the following:

- Check any power supply is safe to use
- Secure any base plates using the correct anchoring system
- Ensure all cabling is the correct length and located safely
- Follow the operators manual
- Make the initial cut on a slow speed, increase when bit is cutting around entire core

You will also need:

- RPE with a protection factor of 20 (FFP3) when dry drilling
- Eye Protection & Hard hat
- Hearing protection
- Any access equipment needed to work safely at height



- Limit the number of holes during design
- Consider the location of utilities (electricity, Gas, Water)
- How will you get enough water ?
- Location of power supply
- Structural safety risks
- Position cabling safely to limit trip risks
- Water suppression creates slurry, How will you control This ?
- Be aware of how much silica might be in materials involved

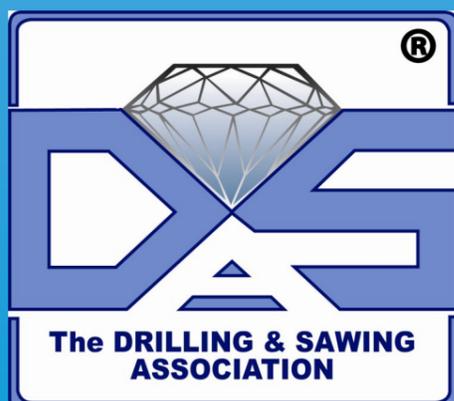


For wet coring: Water suppressed to eliminate dust

- Make sure there is enough water to the drill bit
- Use a direct water supply if possible
- Regularly fill containers and ensure water flows at the correct rate
- Protect against freezing in cold weather
- Check water jets are clean and containers well maintained
- If water extraction is not working, STOP work until repaired
- Clean up as soon as possible, Vacuum slurry using a wet extraction unit following operators manual.

For dry coring: Dry vacuum to reduce exposure

- Regularly check and empty the waste container
- Ensure the extraction unit is switched on and running at a rate correct for the work
- Connections must be tight fitting and secure
- Equipment should be checked regularly and its performance must be checked according to the manufacturers guidelines
- Replace worn diamond bits when needed
- Replace disposable masks daily
- Change RPE filters as recommended by supplier



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