

## EBM DIAMOND DRILL MOTORS & RIGS

# REFINA

Poor electric supply will overload the machine & damage the motor

Use one 32 amp transformer for the drill



Stop use if there is any vibration & check diamond core bit for uneven wear

Connect wet vac for slurry pick up



Run the vac off a separate transformer using one extension lead



Use a pre-separator to collect the slurry or dust residues before the vac filters



Do not use splitter boxes or extension leads on a reel



## BASICS

- the most common cause of problems using drilling machines is poor electric supply
- this results in low voltage into the machine & to motor or circuit board overload (burn out)
- do not run the drill and vac off the same transformer
- keep to one 14m extension lead (4.0mm cable)
- stop work if there is any undue vibration from the diamond core bit
- only use the fast drill speed (3) for small hole sizes, under 60mm
- check the correct core bit segments used for the concrete, slab or material being drilled
- do not force the drilling; allow the machine to do the work
- use water feed for hard materials, stone & reinforced concrete (with rebars)
- the drill rig must be secured to the slab or wall using a bolt down fixing kit

## BEFORE USE OR HIRE

- check the drill motor runs smoothly & the diamond core bit is in good condition
- check transformers & extension cables are the correct capacity
- check the current for the machine under load; 2500w 110v should run at 20 amps (max 25a)
- do not change the 32 amp plug to a smaller 16 amp plug