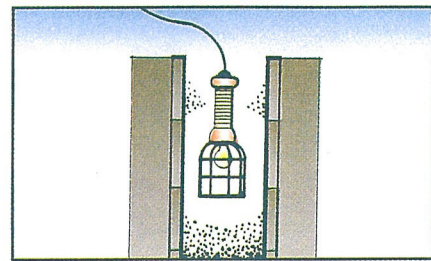


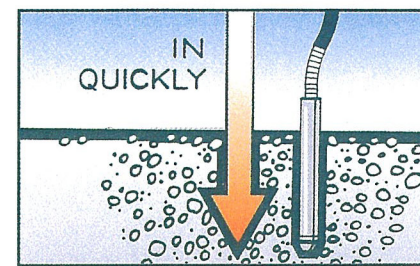
USING A POKER VIBRATOR

1 MAKE SURE YOU CAN SEE THE CONCRETE SURFACE



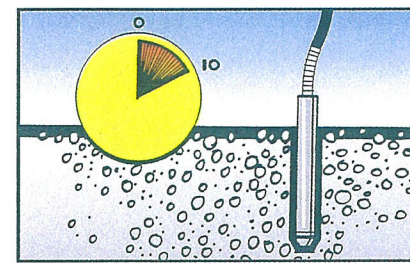
Lights may be required in thin, deep sections.

2 PUT THE POKER IN QUICKLY



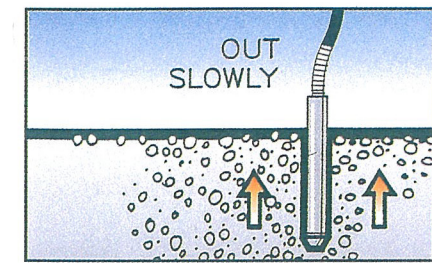
This ensures that entrapped air at the bottom of the layer can escape (before the top is compacted).

3 LEAVE IT IN THE CONCRETE FOR ABOUT 10 SECONDS



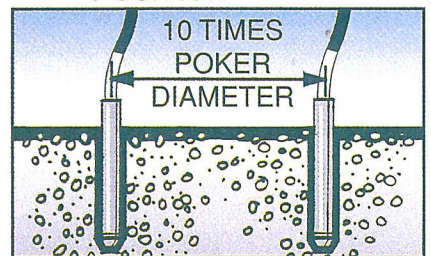
This does not include the time taken to insert and withdraw the poker from the concrete

4 WITHDRAW THE POKER SLOWLY



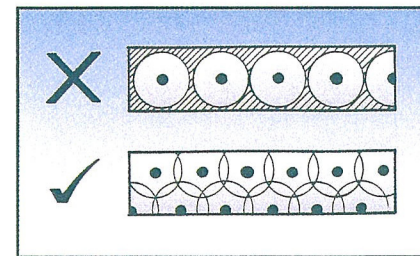
The main thing is to see that the hole made by the poker is closed up.

5 PUT THE POKER BACK IN NOT MORE THAN ABOUT 500mm FROM ITS LAST POSITION



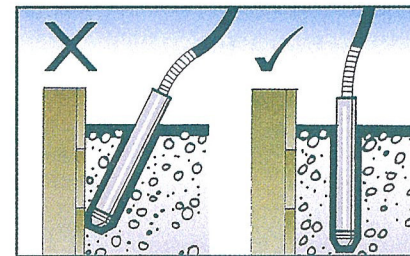
With smaller diameter pokers, closer insertions will be needed.
eg.
20mm - 200mm
50mm - 500mm

6 MAKE SURE THAT ALL THE CONCRETE IS COMPACTED BY THE VIBRATOR



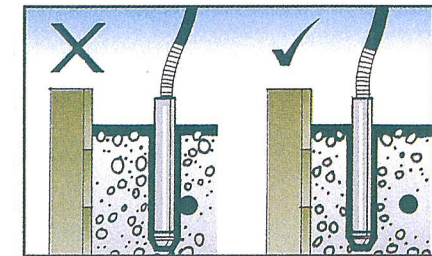
If care is not taken in poker placement then uncompact areas will occur.

7 AVOID TOUCHING THE FORMWORK WITH THE POKER



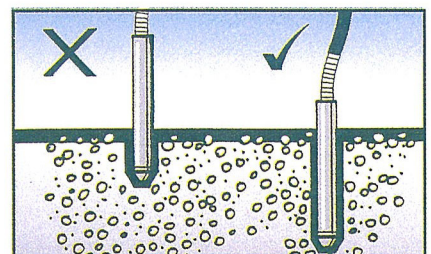
Not only will the form face be damaged - 'poker burn' - but a mark will be left on the finished concrete surface.

8 AVOID TOUCHING THE REINFORCEMENT WITH THE POKER



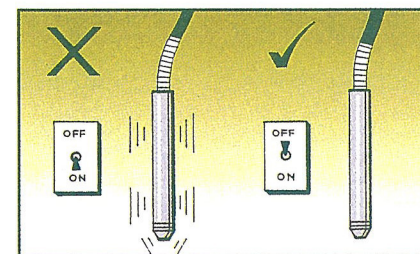
Vibrations in the reinforcement can be transmitted into parts of the section where the concrete may have stiffened, affecting the bond between the two.

9 PUT THE WHOLE LENGTH OF THE POKER HEAD INTO THE CONCRETE



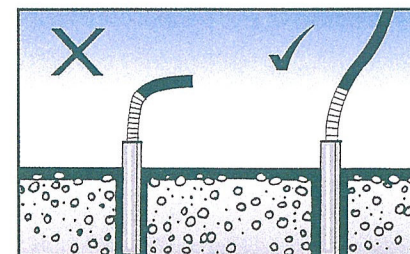
This is essential to keep the bearings cool.

10 AVOID LEAVING THE POKER RUNNING WHEN IT IS NOT IN THE CONCRETE



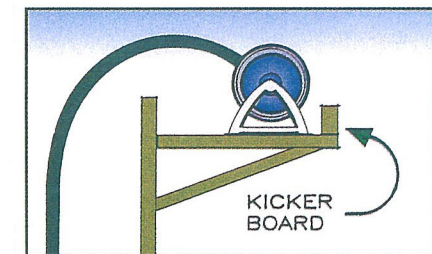
Otherwise there is a risk of bearings overheating.

11 AVOID SHARP BENDS IN FLEXIBLE DRIVES



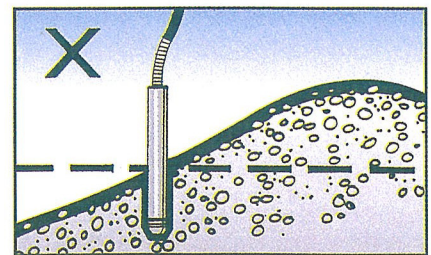
This can damage the drive mechanism

12 MAKE SURE THE DRIVE MOTOR WILL NOT VIBRATE ITSELF OFF THE STAGING



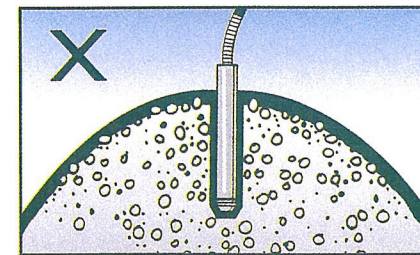
DO NOT move by pulling the flexible drive.

13 AVOID USING THE POKER TO MAKE THE CONCRETE FLOW



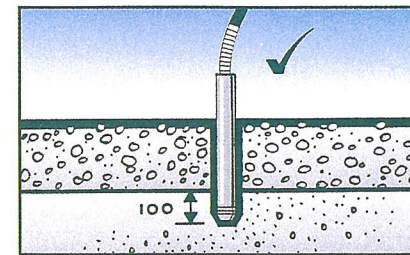
This type of action can cause segregation of the concrete.

14 AVOID STICKING THE POKER INTO THE TOP OF A HEAP



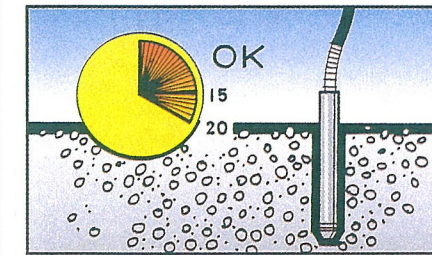
To flatten a heap, insert the poker around the perimeter. Do this carefully to avoid segregation

15 MAKE SURE THE POKER EXTENDS ABOUT 100mm INTO ANY PREVIOUS LAYER



This will knit the layers together and disperse any laitance from the top of the previous layer.

16 EXTRA VIBRATION CAN REDUCE THE NUMBER OF BLOWHOLES



May be important where a good finish is required.



THE NEW ZEALAND
READY MIXED
CONCRETE
ASSOCIATION INC.

SAFETY ON SITE:

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Suitable protective clothing should be worn when handling wet concrete



Cement & Concrete Association of New Zealand