Supporting: MSFFL2011 Select, operate and maintain grinding equipment

# Section 2 Assignment: Practice of grinding

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| --- | --- | --- | --- |
| **Name** |  | **Date** |  |

The questions below relate to the planetary action grinder that you’ll use for your practical demonstration. You should complete this assignment after you’ve selected the specific machine you plan to use.

1. Answer the following questions in the table below:

(a) Who is the manufacturer, what model is it, and how would you describe it?

(b) What voltage and amperage does it draw?

1. What is the machine’s grinding width?

|  |  |
| --- | --- |
| Manufacturer |  |
| Model |  |
| Grinder type |  |
| Voltage / amperage |  |
| Grinding width |  |

1. Complete the following table to show the diamond tooling and disc set-up you would choose for each of the four different grinding applications.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Application** | **Diamond tooling** | | | |
| **Bond** | **Grit size** | **Full set** | **Half set** |
| Smooth and remove high spots in hard concrete |  |  |  |  |
| Smooth and remove high spots in soft concrete |  |  |  |  |
| Remove old carpet adhesive in medium concrete |  |  |  |  |
| Smooth rain damaged concrete surface |  |  |  |  |

1. Complete the following tables to show the operator maintenance you should carry out at various times on the grinding machine and dust extraction system.

|  |  |
| --- | --- |
| **Grinding machine** | |
| **Frequency** | **Operator maintenance** |
| Daily (or before each use) |  |
| Weekly (or at regular intervals) |  |
| Every few months (or periodically) |  |

|  |  |
| --- | --- |
| **Dust extraction system** | |
| **Frequency** | **Operator maintenance** |
| Daily (or before each use) |  |
| Weekly (or at regular intervals) |  |
| Every few months (or periodically) |  |