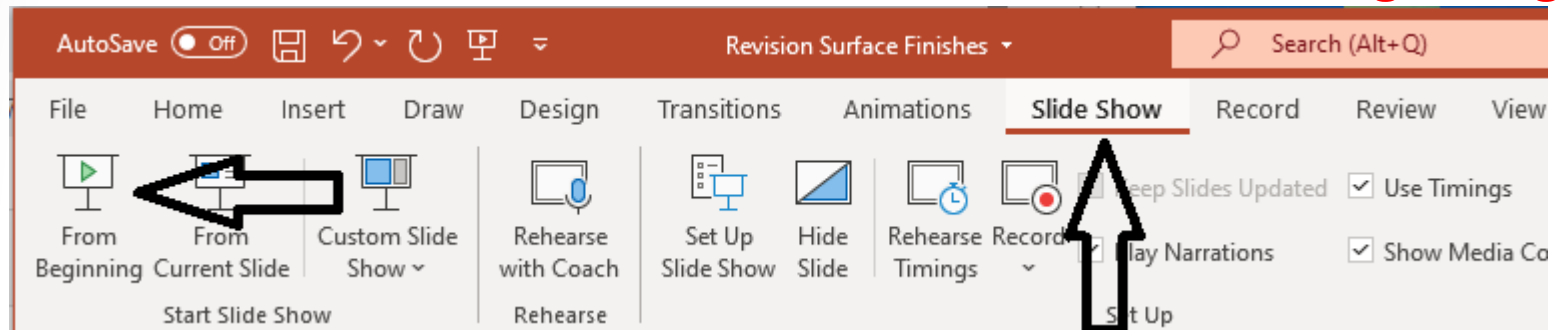


Questions and Answers on Surface Finishes MS Form Quiz

Instructions

- To start Presentation click **Slide Show** then **From Beginning**



- Each time you click the **mouse**, or **space bar** or **arrow keys** the next line or animation will appear.
- Try to answer before revealing the answer.
- You can go back using the arrow keys.
- Remember the assessor is looking for key words to show that you demonstrate that you know the answer make sure that you use them.

Q 1.

- Explain why surface finishes are applied to wood?
- To protect the wood from oil, grease, liquids and other general pollution by sealing the pores. A finish will also enhance the natural beauty of the wood.

Q 2.

- Describe briefly how to apply oil to a solid walnut tabletop.
- Oil is applied in numerous layers, each coat must be hardened by oxidization and at least 12 coats are needed. Each layer should be smoothed with fine glass paper and dust removed.

Q 3.

- Give three general Health & Safety precautions that should be observed when spraying lacquer.
- Wear proper respiratory mask to protect your eyes, nose and mouth.
- Spray in a well ventilated room.
- Always check pressure valves and clocks when you first turn on the compressor.
- No naked flame.

Q 4.

- Give three advantages of water-borne lacquers over solvent based lacquers.
- Less harmful omissions.
- No organic solvents.
- Water is used to clean equipment.
- Reduced risk of skin and respiratory irritations and allergies.

Q 5.

- Describe briefly the steps in applying a water based stain.
- Timber surface will need to be dampened allowed to dry and sanded before the water-based dye is applied because the water lifts the grain.

Q 6.

- Suggest two heat resistant lacquers that could be used on a bar top counter in a hotel.
- Polyurethane lacquer because it has excellent resistance to heat and water.
- Nitrocellulose lacquer also produces a hard heat and moisture proof finish.

Q 7.

- Describe briefly the steps in applying a French polish.
- Mix the shellac and methylated spirits, using a fad, load the fad and apply the polish to the wood in the direction of the grain, let dry then repeat using a figure 8 motion. Let dry and then apply along the length of the grain. Loads of coats are required to build up the finish. Some light de-nibbing may be required between coats.

Q 8.

- Suggest a suitable finish for a solid beech kitchen worktop and give one reason for your choice.
- Oil polish because it does not crack or blister or show heat or water.

Q 9.

- Suggest a suitable finish for wardrobe doors, and give one reason for your choice.
- Nitrocellulose because it is cheap, quick drying and produces a hard heat and moisture proof finish.

Q 10.

- In relation to surface finishes what does the term “de nib” mean ?
- The term ‘de nib’ is the fine sanding between coats of polish or lacquer.

Q 11.

- Suggest a suitable finish for a solid oak floor and give one reason for your choice.
- Polyurethane because it has an excellent hard surface. Good heat, moisture and wear resistant properties. As water based product often used as a floor sealer, leaves no brush marks, excellent resistance to wear and tear and most household chemicals.

Q 12.

- Explain briefly what chemical stains are and how they work on timber.
- Chemical stains are made by mixing chemical crystals with water. These chemicals react with the tannic acid that is present in woods and change the colour of the wood.

Q 13.

- Suggest a suitable finish for a cheese board and give one reason for your choice.
- Olive oil or Beeswax or a food safe approved finish. The finish would need to be non-toxic.

Q 12.

- What is the chemical stain Bichromate of potash. Explain briefly how this chemical stain works and is applied.
- Chemical stains are made by mixing chemical crystals with water. These chemicals react with the tannic acid that is present in woods and thus change the colour.
- Bichromate of potash will turn mahogany a darker brown each time it is applied to the surface so care is needed limit overlapping when applying.