

ANSWER THE QUESTIONS ABOUT FINISHES FOR METALS. CLICK THE SIGNS FOR HELPFUL LINKS.

FINISHES TO METALS - KNOWLEDGE MAP

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

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1. WHY DO METALS NEED TO BE PROTECTED WITH A FINISH?

2. WHAT IS ANODISING? Include a labelled sketch.

3. DESCRIBE THE PRACTICAL APPLICATION OF ANODISED METALS. Include a list of metals that can be anodised.

5. DESCRIBE THE PROCESS CALLED 'PLANISHING'. Include sample images

4. WHAT IS A MACHINED FINISH? Include images of some examples.

6. DESCRIBE TWO WAYS PAINT CAN BE APPLIED TO A METAL SURFACE.

9. DESCRIBE THE PROCESS CALLED ELECTROPLATING. Include images of products finished through this technique.

10. WHAT IS 'CHEMICAL BLACKING'? WHY IS IT CARRIED OUT?

7. WHAT IS POWDER COATING? Include a description and sketch of the process.

11. DESCRIBE THE DECORATIVE PROCESS CALLED ETCHING. Include images of products that have been etched.

8. WHEN IS LACQUER THE PREFERRED FINISH FOR A METAL? Include images of lacquered products.

12. BRIEFLY, WHAT IS HARDENING AND TEMPERING? WHY IS STEEL SOMETIMES HARDENED AND TEMPERED?

FINISH

14. HOW IS A METAL SURFACE POLISHED?

13. DESCRIBE THE CASE HARDENING PROCESS. Include sketches.

