

Badgery Science Fun 11

The Badger Group decided to build a hide, so that they and their visitors can sit comfortably and watch the badgers at a sett. It's also good for the badgers too, as it means that members can watch them without frightening them.



Here is the hide when we started to build it.

We had to think carefully about the materials we used. **Fill in the missing properties.**

<u>Material</u>	<u>Why did we use it?</u>
Wooden walls	Waterproof, windproof, strong, rigid
Perspex (plastic) windows (the same as glass)	Waterproof, windproof, transparent, Tough (doesn't break like glass)
Canvas roof	Waterproof
Plastic on electrical cables	Electrical insulator
Copper inside the cables	Electrical conductor
Double layer of carpet on the floor (Clue: think sound as well as warmth)	Thermal insulator, flexible (soft), (also stops the noise of people's feet on the floor, which might frighten the badgers.)
Steel nails and hinges (nails galvanised to stop rusting)	Hard, strong, rigid
Foam cushions on seats	Flexible (soft), thermal insulator (warm)
Plastic bin to hold food	Waterproof, strong, rigid, insect-proof!, doesn't rot