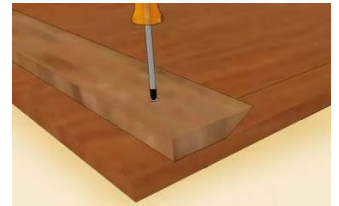


Hanging a mirror using Z-Bars (also known as French Cleats)

Z-Bars/French cleats are wide supports with notches on them, they're usually made from wood or metal and are used for hanging heavy objects from walls.

Step One: Attach one of the Z-Bars to the top edge of the back of your mirror. Do this using either a strong glue or the correct screws. The piece which attaches to the back of your mirror is usually the **smaller of the two you will have. Use a level to ensure it's perfectly straight** and ensure that the raised part of your Z-Bars is facing downwards to create a hook, which will later catch on the **corresponding piece you'll attach to your wall.**



Step Two: Attach an off-set board to the bottom of your mirror. Once **you've hung your mirror**, the weight will be supported along the top edge, **if there's nothing to support the weight at the bottom, this can cause the mirror to twist towards the wall and damage the mirror or even rip the cleat from the wall.** Attaching an offset board will ensure that the bottom edge rests flush against the wall and the mirror has the necessary support along its bottom edge.



Step Three: Mark the Z-Bars position on the wall. Using a level, draw **a vertical line through the centre of the studs you're using to bear the mirror's weight, then, again with the level, draw a horizontal line through the vertical ones at the exact height you want your Z-Bars to attach to the wall.** Mark off the points where your horizontal and **vertical lines cross, these are where you'll attach your Z-Bars to the wall.**



Step Four: Attach the Z-Bars to the wall. Using wood screws which are rated to bear loads larger than that of your mirror, fasten the remaining half of the Z-Bars to the wall. This piece should be attached so that it **provides an upwards gap that the 'hook' created by the piece on the mirror can sit in.**



Step Five: Hang the Mirror. Finally, lift the mirror into place and gently **bring down until the cleats sit together and the mirror's weight is held.** The cleats should fit together perfectly leaving you with a stunning mirror, hung perfectly on your wall.

