Letterbox 24-part Cubes

These diagrams show you how to make 24-part Cubes from Letterbox parallelogram modules using four modules in each of six colours. Many other colourings are, of course, possible.

I discovered Letterbox parallelogram modules in 1987.

Diagrams showing you how to make the basic form of the Letterbox module can be found elsewhere on this site.

1. Begin by turning your first module over sideways.

2. Fold the bottom left point inwards as shown then unfold to right angles.

3. The finished module should look like this. You will need four modules in each of six colours.

4. The arrows indicate the location of the pockets.
5. Four modules go together to form one face of the cube like this.

6. Two further modules can be added like this to create a corner. Continue adding modules in a similar way until the cube is complete. Finishing the assembly of this cube is not easy.

7. The finished six colour 24-part Letterbox Cube should look like this. Each of the colours forms a continuous band around the cube.

8. This is what a 24-part Letterbox Cube would look like if you made it from eight modules in each of three colours with each colour arranged in a double band around the cube.

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