

# How did this guy make his own 3D world map on the wall like 'distilled water'?

It seems that the whole world has been scaled up and neatly and beautifully located on the wall of Sergey garage garage.

Have you ever looked at your wall and wondered: Why is it so empty? What can I do to make it look cool but not too expensive?



The horizontal and vertical squares are like chessboard for positioning

Russian guy Sergey Matveev also had the same anxiety and decided to embark on making a 3D Earth map to decorate . his garage more vivid. Initially, he drew squares along the board like a chessboard on the wall as a landmark to copy the paper map on it. Then he realized that it was possible to use the projector to project a picture on the wall, and indeed this made drawing images much faster, easier, and much more accurate than seeing and estimating. .



The author said that because New Zealand was protruding in the lower right corner of the wall, he had to move the map a little to the left, and also because New Zealand, the Aleut and Chukotka regions were pushed farther than Alaska. International. Of course we also understand that the map was born not for reference purposes, so a slight geographical error is probably acceptable.

A small piece of Yamal and Taimyr fell into a place with a U-shaped iron plate and protruded from the wall to 1.5 cm. So we have to drag the rest of Eurasia to the level of Yamal and Taimyr.

The main materials and tools used by Sergey are rubber baits (latex) and flying knives (used in painting). He used a flying knife to plaster rubber onto the wall into thin layers according to the sketch lines and had to wait for this layer to dry completely (about 1.5 hours) before continuing to apply the next layer to the previous layer.



Layer by layer of rubber sheet is covered on the wall to form the continents, and Sergey has a lot of effort to keep the height ratio of the mountains - especially the Ural mountain range - the natural boundary dividing Asia and Europe, stretching 2,500 km from the Kazak steppe, runs along the northern border of Kazakhstan to the coast of the Arctic Ocean.



By the third day, rivers, lakes and the sea were also formed. He uses Dremel's hand-engraving machine and various drill heads to shape rivers, mountains and plains, grinding with coastal lines of continents. This stage produces a lot of dust.



The next step is to use acrylic paint on the water to bring color to this world and make it more alive. The first coats have a darker tone than the final result because the paint is absorbed by the rubber and will give a lighter color.



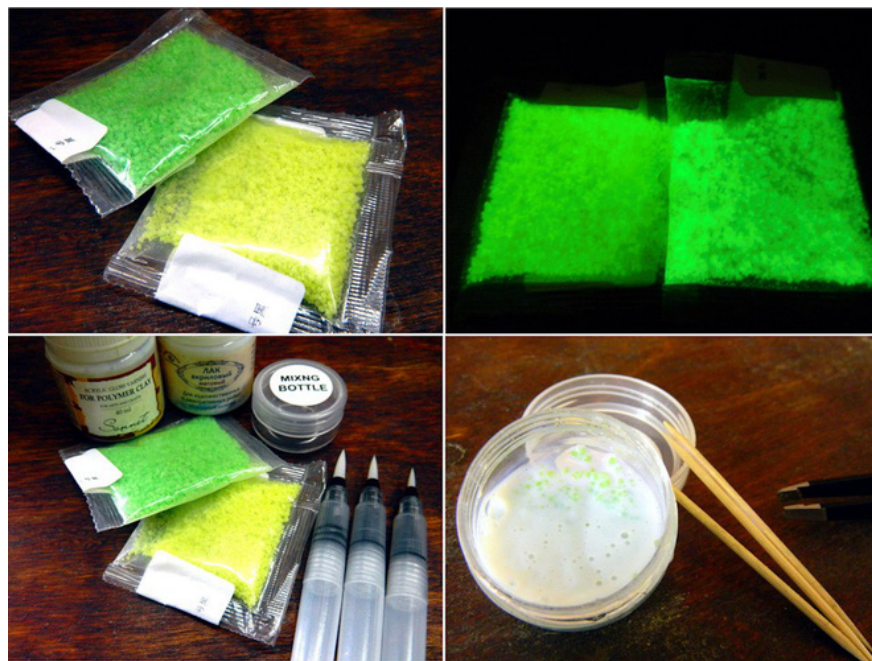
Snow and sand are colored the same color - white.

Once the results have been achieved, the earth will be coated with a translucent acrylic paint over the entire surface. A bottle of Kudo spray paint is enough.



Sergey explained that painting the surface in addition to protecting the paint layer also helps to make writing letters on the map easier.

**The earth is still so dark, it has to be lit up.**



Cities will be illuminated by luminescent crystals (luminophore). They are mixed with colorless acrylic paint and sprinkled over large cities and towns with toothpicks and brushes. Yellow or green light emitters all glow

equally well.



First is the district of Nadym - the homeland of Sergey, then the capital, then the cities of million inhabitants of Russia. Next are smaller cities and around the world. The place where Sergey ended the "population distribution" on earth was New Zealand.



Turn off the lights to test . The night earth is awesome. Dear Nadym, please!



Siberian motherland.



Pacific rim.



Asia is so vast, there is China - the hometown of Aliexpress at which Sergey has ordered glowing crystal packages.



The highest place on the planet is the Himalayas.



The desert is hot but the colors are bright.



Not sure why but Europe looks quite boring.



If you fly from Chile, you might see something like this through an airplane window.



New Zealand - the land that has moved the whole world on the garage wall.

This 3D map sheet has dimensions of 2500x2300 mm. Sergey took a total of two weeks of hard work, 18 kg of rubber baits, 5 bottles of translucent acrylic paint, 2 zip bags of luminophore crystals (each 10 g bag), 2 sets of acrylic paint kits for children and quite lots of beer (for refreshments).



And as you can see, it seems that the whole earth has been scaled up and lying neatly and beautifully on the wall of Sergey garage garage like this.

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