

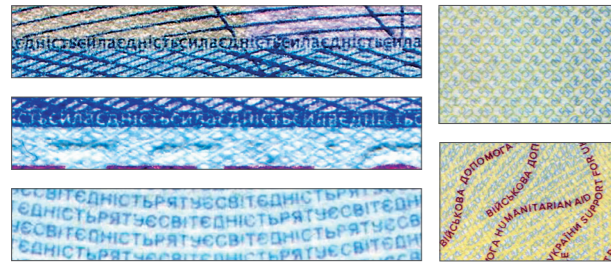
9 Iridescent feature

An optically variable image of the translucent stripe bearing the outlines of the logo of the National Bank of Ukraine. The image has a bright mother-of-pearl effect, and is gold in color when the note is held up to the light.



10 Microlettering

Repeated legends that can be read under a magnifying glass.



11 Serial numbers

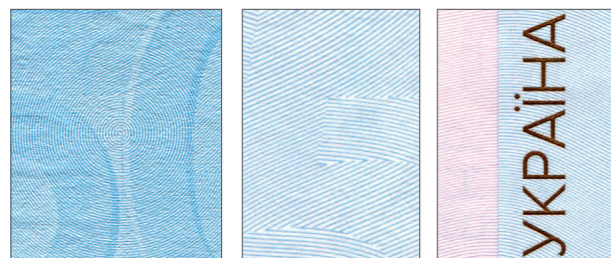
Printed in relief printing:

- horizontally in black ink;
- vertically (with the numbers having a variable height) in red ink.



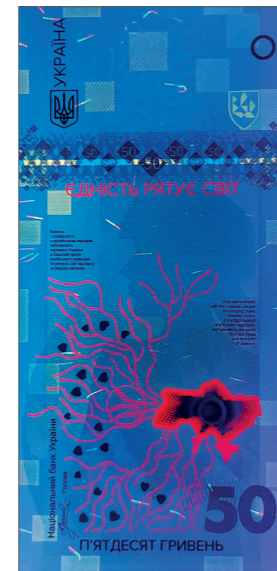
12 Anti-scan/anti-copy pattern

Fine, multi-shaped lines that impede the reproduction of the images by copying or scanning equipment, which will produce a moiré pattern.

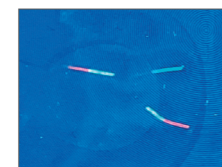


Ultraviolet feature

front of the note



back of the note



Security fibers that are scattered randomly in the paper and that are invisible in daylight, glow red and green under an ultra-violet light.

Security thread – portions of a polymer security thread, which is fully embedded in the paper, glow yellow and light blue under an ultra-violet light.



The serial number printed in red ink, which glows orange under an ultra-violet light.



Infrared feature

front of the note



back of the note



UNITY SAVES THE WORLD

(50-hryvnia commemorative banknote designed in 2024)

This banknote celebrates the invincibility of the Ukrainian people in their struggle for freedom and European values, the consolidation of Ukrainian society to protect Ukraine's territorial integrity, and the unity of the democratic world in the face of russian aggression.

front of the note



back of the note



The main image on the front of the note is a composition that depicts a stylized outline of Ukraine, which resembles a heart connected to blood vessels. In the background is a girl wearing a military helmet and looking towards the West. Against the background of the globe is a stylized image of Europe, which stands for Ukraine's resilience and its aspirations for a European future.

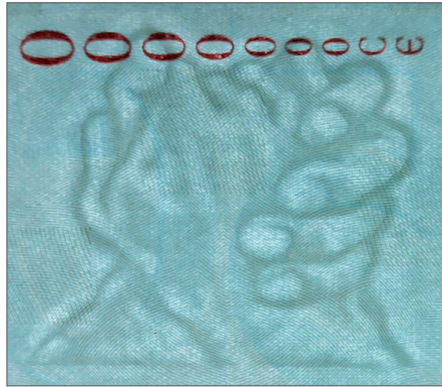
The main image on the back of the note is a symbolic composition of clasped hands against the backdrop of a stylized trident.

SECURITY FEATURES

The banknote is sized 80 x 165 mm.

1 Watermark

The multi-tone watermark is an image of tightly clasped hands that symbolize unity.



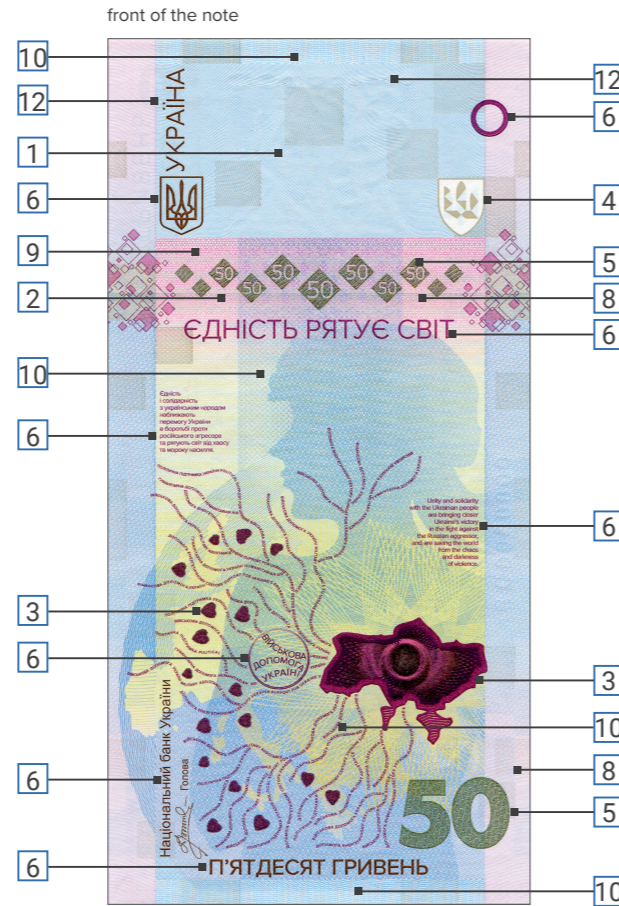
2 Security thread

A stripe, fully imbedded into the paper, on which the words 50 ГРН, Ukraine's small coat of arms, and the underlined numerical indication of the denomination 50 can be seen as direct and inverse images under a magnifying glass.



3 SPARK feature

When the banknote is tilted, the optically variable images of the stylized map of Ukraine and the stylized hearts between the blood vessels gradually change color from purple to gold green. The stylized map of Ukraine has dynamic light effects.



4 See-through register

When the note is held up to the light, irregular shapes printed on the front and back combine to form a stylized image of the shoulder patch of Ukraine's Armed Forces.



5 Optically variable ink (OVI)

When looked at from different angles, the numerical indication of the denomination and the stylized composition of squares that clearly show the denomination change their color from gold to olive green.



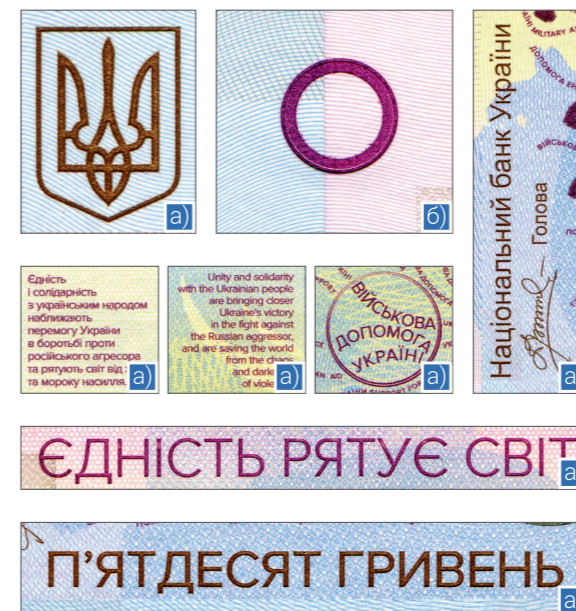
back of the note



6 Relief features

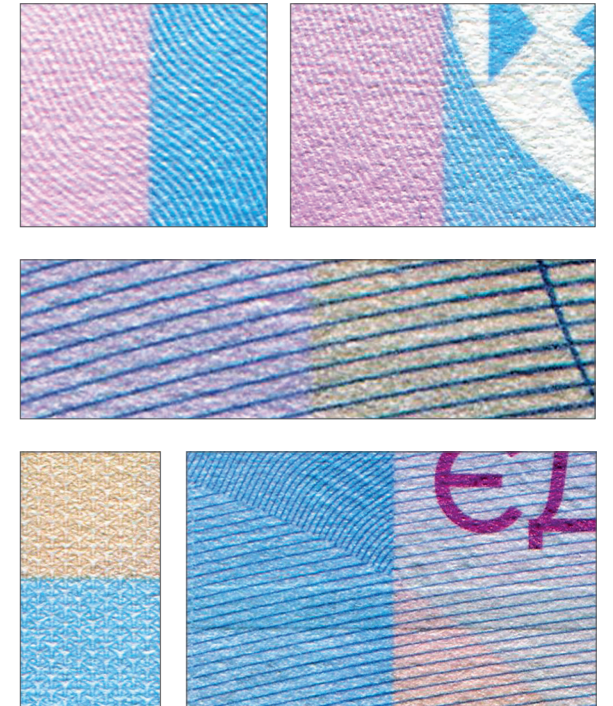
Image elements that are rough to the touch (for illustrative purposes, enlarged images are provided):

- legends and images
- feature for the partially sighted.



7 Orloff printing

A special type of printing that ensures there is an abrupt change of one color into another, without breaking and shifting.



8 Rainbow printing

A special type of printing that ensures there is a smooth transition among the main colors of an image, avoiding breaks and displacements.

