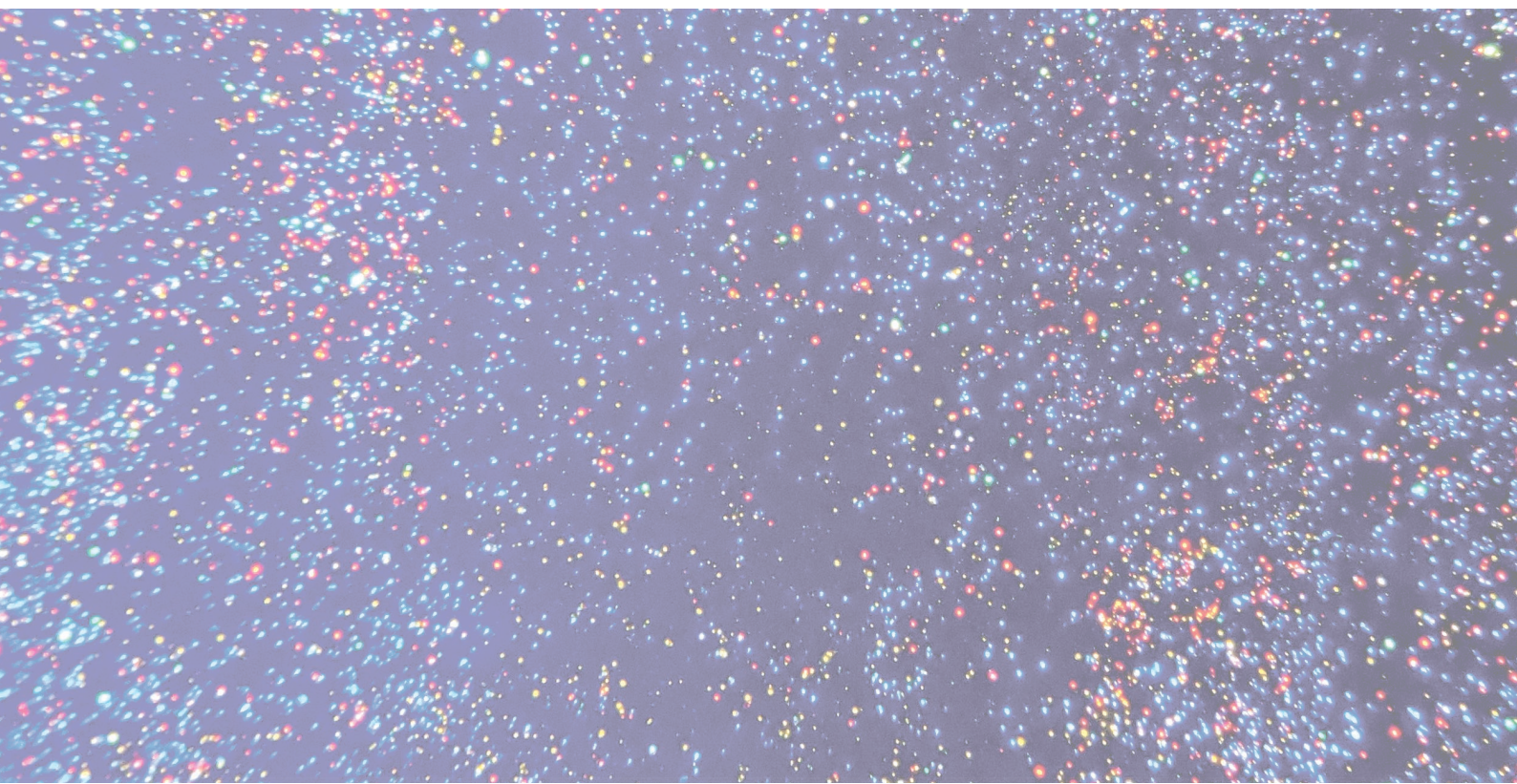




Security Additives

offer for paper-mills

Security paper additives





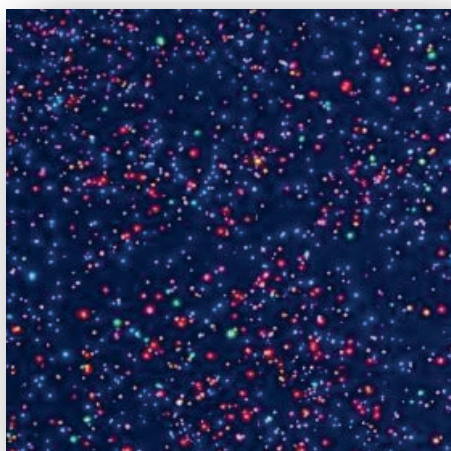
Fibres and particles to make your paper easily identifiable

The specialists of the Document Security Laboratory of ANY Security Printing Company PLC have developed numerous complex, effective protection solutions. The Company – as a result of its decades of experience – can assist its customers in document and product protection projects from the design to the implementation phase. Furthermore, it can serve partners who need only partial solutions for their particular projects.

To enhance the security of paper-based documents, ANY offers coloured and colourless, fluorescent and non-fluorescent fibres in different lengths, made of polyamide and viscose, as well as fluorescent shiny dots in different colours. The product range of ANY contains IR, mono- and bi-fluorescent fibres and mono-fluorescent and anti-Stokes shiny dots.



Shiny dots



Shiny dots are invisible particles that are highly luminescent in UV light.

These particles are classified regarding their size and then placed into the paper during its manufacturing.

These dots may have different fluorescent colours and/or other security features. The application of shiny dots has several advantages:

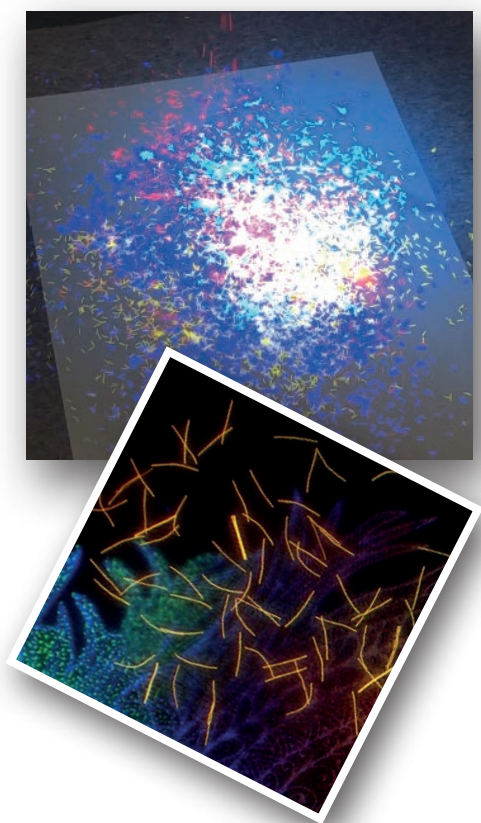
- easy to achieve homogenous distribution of the particles
- the adhesion is good between the paper fibres and the particles
- due to the small size of the particles, there are virtually no printing problems caused by particles close to the paper surface
- if any of the particles would fall out from the paper during the printing process, they leave no detectable trace
- very nice, "starry sky" like looking
- their application does not affect either the luminescent or the visible printed features of the document

Our standard range of products:

shiny dots name	luminescence 365 nm	luminescence 254 nm	luminescence 302 nm	luminescence 403 nm	luminescence IR 980 nm
Shiny Dot Blue 31	blue	blue	blue	-	-
Shiny Dot Red 32	red	red	red	-	-
Shiny Dot Green 33	green	green	green	-	-
Shiny Dot Orange 34	orange	orange	orange	-	-
Shiny Dot AS 35	-	-	-	-	green
Shiny Dot Yellow 39	yellow	yellow	yellow	-	-
Shiny Dot Green/AS 40	green	green	green	-	green
Shiny Dot Orange AS 41	orange	orange	orange	-	green
Shiny Dot 42 UV Bi-Fluo blue/pink	blue	pink	pink	-	-

In addition to our standard range, we are ready to develop customer-specific dots for our partners.

Fluorescent security fibres



Security fibres have been widely used for years to increase the security level of paper-based documents. ANY produces various coloured or colourless, fluorescent or non-fluorescent security fibres in various lengths and DTEX numbers that can be produced from either viscose or polyamide material.

Viscose Security Fibres

- Thickness: 3.3, 5.6, 17, 28 dtex
- Length: 3, 4, 5, 6, 8 mm (frequently used: 3, 4, 6 mm)
- Cutting preciseness: 0.2 mm
- Minimum order quantity: 5 kg

security fibres code	colour	luminescence 365 nm	luminescence 254 nm	luminescence 302 nm	luminescence 403 nm
VB	blue	-	-	-	-
VBB	blue	blue	-	-	-
VG	dark green	-	-	-	-
VGG	green	green	-	-	-
VK	invisible	blue	-	-	-
VO	orange	-	-	-	-
VR	red	-	-	-	-
VS	yellow	yellow	yellow	yellow	yellow
VY	yellow	-	-	-	-
VZ	turquoise green	-	-	-	-
VZZ	green	green	green	green	green

Polyamide Security Fibres

- Thickness: 3.3, 6.7, 22 dtex
- Length: 3, 4, 5, 6, 8 mm
(frequently used: 3, 4, 6 mm)
- Cutting preciseness: 0.2 mm
- Minimum order quantity: 5 kg



security fibres code	colour	luminescence 365 nm	luminescence 254 nm	luminescence 302 nm	luminescence 403 nm
PB	blue	-	-	-	-
PBB	blue	blue	-	-	-
PF	black	-	-	-	-
PIBR	invisible	blue	-	red	-
PIG 545	invisible	-	greenish	-	-
PIR	invisible	-	-	red	-
PIV 613	invisible	-	red	red	-
PIY 545	invisible	yellow	yellow	yellow	yellow
PIY 570	invisible	warm yellow	yellow	yellow	yellow
PK	invisible	blue	-	-	-
PO	red	red	red	red	orange
PP	red	-	-	-	-
PRR	red	red	red	red	red
PS	yellow	yellow	yellow	yellow	yellow
PSSV	yellow	orange	yellow	orange	yellow
PU	invisible	red	-	-	-
PV	pink	orange	orange	orange	orange
PY	yellow	-	-	-	-
PZ	green	-	-	-	-
PZZ	green	green	-	-	-

ANY Security Printing Company PLC

About the Company

ANY Security Printing Company PLC is one of the leading security printing companies and an identity solutions provider in the Central Eastern European region, with a significant presence in more than 60 countries worldwide. More than 1000 people in 5 countries at 10 premises work according to the highest standards through continuous innovation and development to serve our Partners. The Company's shares have been listed on the Budapest Stock Exchange in the premium category since 2005.

The Company's mission includes the facilitation of state administrations in secure person and product identification projects from the design to the implementation phase. The acquired international qualifications and certificates assure the appropriate level of security in the field of paper-based document and card production, as well as personalisation. Aside from manufacturing high security products, ANY Security Printing Company PLC – as a system integrator – offers complex solutions and know-how transfer for the preparation, execution and operation of a document reform, including a security printing house establishment.

The specialists of the Document Security Laboratory of ANY have developed numerous complex, effective protective solutions, including document printers, security inks, paper additives and special control devices. These products can be offered as a supplement to the project, further maximising the security features of the goods to be manufactured at the future plant. The Company – as a result of its decades of experience – can assist its customers in document and product protection projects from the design to the implementation phase. Furthermore, it can serve partners who need only partial solutions for their particular projects. In this manner, ANY is a synergistic partner of paper-mills, security printing houses, state administration and private companies. Its own Document Security Laboratory, references, special technology, security preparedness and more than 170 years of experience guarantee that it can offer the best possible products for its Customers.



Our products are manufactured using cutting-edge technology coupled with our staff's innovative professional knowledge. Our references, special technology and security preparedness guarantee that we can offer the best possible product for our customers. Please do not hesitate to contact our colleagues if you have questions.

ANY SECURITY PRINTING COMPANY PLC

- ☎ +36 1 431 1200
- 🌐 www.any.hu/en/
- ✉ info@any.hu
- ✉ Halom utca 5, Budapest 1102, Hungary

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