

UV Guard^{GSI} Protection Varnish



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UV Guard^{GSI} Protection Varnish is engineered to preserve the quality, cleanliness and durability of banknotes throughout their circulation life. By significantly reducing soiling and wear, it helps maintain banknotes' appearance, performance and public trust over time.

The performance of **UV Guard^{GSI} Protection Varnish** has been certified by Ugra, the Swiss national test laboratory for security printing products.

The varnish is designed for use with standard flexographic coating systems, including inline coating and perfecting processes. It is suitable for cotton-based security paper, hybrid substrates and polymer banknote substrates.

The binding system is based on UV-curing resins and reactive thinners, making the varnish fully VOC-free (volatile organic compounds).

Key characteristics of **UV Guard^{GSI} Protection Varnish**

- Excellent abrasion resistance and anti-soiling performance with high adhesion to the printing substrate
- Outstanding fastness properties of the cured varnish film
- No impact on visible or covert security features (e.g. optically variable, magnetic or luminescent elements)
- No set-off during sheet stacking and handling
- Long in-press stability; varnish remains fresh in the printing unit
- Excellent flow and levelling properties for uniform coating
- VOC-free formulation

