



Defense Group  
Technologies LLC  
5111 Ashbrook  
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Houston, 77081  
Texas , USA

# PROFILON® P3A

resistive security  
film P3A  
“made in Germany”



**PROFILON® P3A is certified to perform extremely well in terms of intruder and explosion resistance. It has a high shatter retention performance. It offers optimum protection against smash-and-grab burglary, vandalism and molotov cocktails.**

**The film is rated class P3A according to DIN EN 356 (certificate available) and has flame retardant properties in addition.**

PROFILON® P3A is made by Germany's only security film manufacturer. It is guaranteed "Made in Germany".

The transparent multi-layer security film can be retrofitted to all glazing types with a plain surface, be it regular float, annealed, tempered, laminated or sealed chambers. In addition, the film protects the interiors by its integrated UV inhibitors. This prevents premature discoloration or fading of exhibits in galleries and showcases. Likewise, the human skin is protected from harmful UV rays.

PROFILON® P3A has a very tough scratch-resistant surface granting its longevity. It can be cleaned easily with customary glass cleaning agents.

#### PROFILON® P3A features:

- high intrusion resistance
- Explosion resistance
- efficient against smash-and-grab burglary
- good shatter retention
- mitigates flashovers (no smoke development)
- UV absorbing

#### Fields of application:

- Public administration buildings
- Office facilities
- Entrance areas
- Production halls
- Industrial premises
- Server rooms / IT centres
- Conference rooms
- Galleries/musea



## Resistance class ratings / standards

PROFILON® P3A is a multi-layer laminate construction of 555µm total thickness. It is documented for the following resistance classes:

- P3A according to DIN EN 356 A
- Flame retardant

## Scratch insensitivity

The excellent scratch insensitivity of the surface hardcoat, applied in the Sandglider process, grants for an utter longevity. The hardened surface can be cleaned with conventional glass cleaning agents.

## UV protection

PROFILON® P3A is equipped with special UV inhibitors which protect the film itself but also the merchandise, exhibits and furniture inside the building from discoloration.



## Installation

PROFILON® P3A is installed on the inner surface of the window pane. In addition, an appropriate frame anchoring of the film edges complements the high physical resistance. Depending on the framing type, the edges are either installed underneath the frame extrusions or attached with a special sealant. The panes do not have to be removed from the frames. The work and life routines of the building occupants are hardly disturbed. Defence Group Technologies installs its security films exclusively by trained and approved installation teams.

## Technical data

<b>Resistance class</b>	P3A according to DIN EN 356
<b>Thickness</b>	555µ
<b>Color/Appearance</b>	transparent
<b>Visible light transmission</b>	83 %
<b>UV absorption</b>	> 99 % (300 – 380 nm)
<b>Adhesive</b>	on acrylate basis
<b>Construction</b>	Multi-layer laminate
<b>Hardcoat</b>	Hardened DURITAL sr surface; 2,5% increase of light diffusion in Taber abrader test
<b>Fire rating</b>	B1 according to DIN 4102 part 1



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The information of this datasheet is based upon longtime practical experience and relies on the current state of knowledge and technology. The buyer still has the duty to test our products for the fitness for use. Beyond that our terms and conditions shall apply.

With the release of a new datasheet the previous data loose their validity.  
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