



**Window protection**  
for emergency vehicles

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## Our references

More than 800 vehicles by 2023



## Our history

- 1975 - Introduction to automotive film application
- 1998 - Creation of VITA. Starting point for safety films : 150 microns
- 1998 - 2024 : Winning & Supplying 5 National Police tenders
- 2008 - 2024 : Winning & Supplying the 2 National Gendarmerie tenders
- 2023 - Acquisition of VITA by the Standby Group European leader in signalisation for service vehicle (Sweden, France, Germany, United Kingdom, Finland)

> In 1975



> In 2008



> In 2023



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VITA provides protective solutions that secure your glazing and prevent intrusion and glass splinters in the event of impact, explosion or fire, while maintaining perfect transparency. Perfect for large surfaces and ultra-resistant to repeated impact.

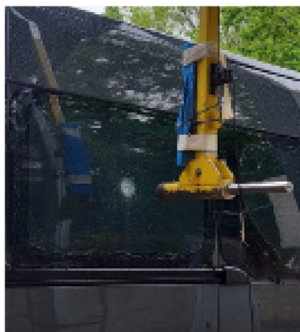
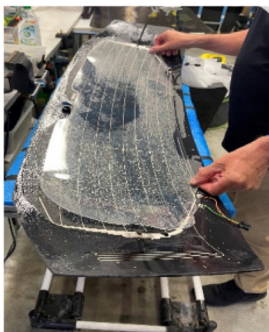
## PROTECTION AGAINST

- urban riots (iron balls or bars, paving stones, etc.) or
- impacts from branches or stones during off-road operations.










## Support from A to Z

-  Definition of vehicle and protection requirement,
-  Technical study :
  - Impression of the glazing and its characteristics in order to produce the appropriate kit for the vehicle
  - Positioning on glazing
  - Reinforcement if necessary
-  Supply of certificate of compliance with the VITA solutions assembly study
-  Applications using a process tested by our teams and/or by the standby-VITA approved network
-  Training of installation teams
-  After-sales service :
  - Supply of replacement film after a vehicle attack






## Advantages of Standby-VITA film

-  Very high resistance to damage (impact and projectiles)
-  Product tested and validated on French Ministry of the Interior vehicles
  - This film has been used for many years by the police and fire brigade
- € High level of protection at cost effective
-  M1 fire protection : Resists fire at a temperature of 900 °C during 25 minutes
-  Fitted on original glazing : easy to replace if necessary
-  Lightweight product :
  - with no impact on vehicle consumption,
  - the preservation of openings,
  - and the vehicle's GVWR.
- Available in tinted versions
-  Easy to maintain
- High durability (material guaranteed for 10 years)
-  exclusive Standby-VITA



## Performance

Standby-VITA Product	VITA 340	VITA 650	VITAMAX
			
Level of protection	1st safety level	Level 1 Ministry of the Interior	Niveau 2 Ministry of the Interior
Resistance	75 joules	1 impact at 150 joules	4 impacts at 180 joules with a 60 mm diameter metal ball
Weight added to the GVW by the Standby-VITA film for a complete DACIA DUSTER	0,8 kg	1,5 kg	2,94 kg

## R43 vs CREL\* Level 1 & 2

R43			CREL / Ministry of the Interior Additional Protection Requirement	
			Level 1	Level 2
Test	With a 227g ball	With a 2.260kg ball	1 impact with a 60 mm diameter metal ball	4 impacts with a 60 mm diameter metal ball
Applied energie (in joules)	<b>20</b>	<b>89</b>	<b>150</b>	<b>180</b>
Validation conditions	The test is considered to give a positive result if the following conditions are met: → The ball does not pass through the glass...		<ol style="list-style-type: none"> <li>1. the firing pin is stopped by the glazing</li> <li>2. The glazing is not perforated (liquid-tight criterion)</li> <li>3. the glazing remains in place in its housing after the impact, including after the application of a thrust (1000 N maximum); peripheral loosening is not tolerated; the liquid-tightness criterion must be verified over the entire surface of the glazing and at its periphery</li> <li>4. no sharp splinters (needles or similar) are projected into the passenger compartment</li> <li>5. no damage to fittings and equipment in the passenger compartment</li> </ol>	