

**Advanced** special door engineering



# Protec Industrial Doors

customer-driven | according to any specification

Protec Industrial Doors specializes in the development, production and installation of a wide variety of advanced doors and other solutions. In this, Protec's focus is on achieving the highest classifications within the applicable standards.

We offer our clients a project-based approach, as Protec's main objective is to provide a tailor-made solution for all your project requirements. Our team has extensive knowledge of all requirements and classifications within the international standards at their disposal, to achieve this goal.



Consultancy



Design &  
Development



Engineering &  
manufacturing



Installation &  
technical support




Long-term  
guarantee




# Doors and Solutions according to any specification

Protec Industrial Doors is specialised in advanced doors. The possibilities in these doors are very extensive.


Some examples of possibilities in Protec's door solutions and their performance in accordance with the corresponding standards are:

 **Bulletproof doors** The bulletproof doors of Protec are available up to the highest classification: FB7. The solutions are tested and certified according to the European standards EN 1522 & EN 1523. When necessary, special requirements can also be realized, such as weapon-specified resilience.




 **Security doors** The burglar-resistant security doors of Protec are available in the classifications: RC 4, RC 5 and the highest classification RC 6. The solutions are tested and certified according to the applicable NEN 5096 in conjunction with the European standard EN 1627.



 **Fire-resistant doors** The Fireproof overhead doors are certified with the highest fire-resistance classification: EI1 according to the European standard: EN1634-1.




 **Hangar doors** The doors of Protec Industrial Doors are available in very large dimensions. These hangar doors are available with all the same requirements & features as the regular advanced doors, for example: security, blastproof, fire-resistance and sound-insulation.


## Combined doors

Protec Industrial Doors is able to combine all requirements into one door, tested and certified according to all applicable standards. We are therefore able to provide you with a complete project solution.


For example: we can provide you and your client with a security rated door, which is also sound insulating and modified to fit your aesthetic requirements. This creates unique opportunities in both design and functionality.




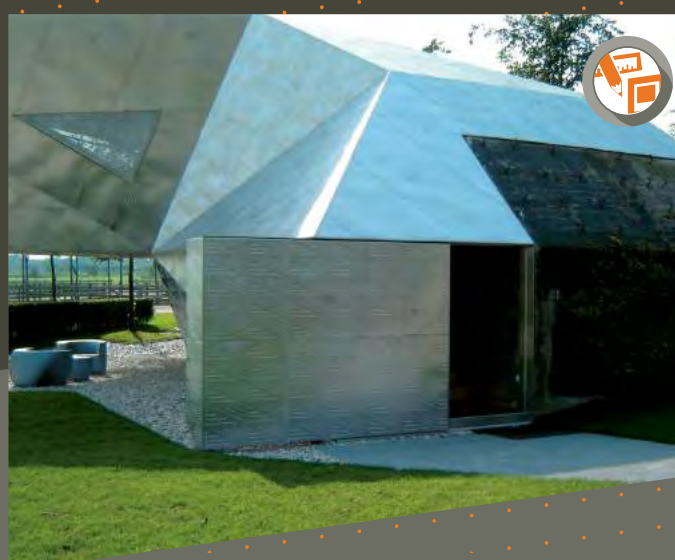
 **Blastproof doors** The explosion-resistant overhead doors can withstand very high pressure loads, for example: a positive explosive pressure of 5.0 bar, 72.5 psi or a pressure load of 500 kN/m<sup>2</sup>. These solutions are calculated and engineered by Protec on a project-basis, though also tested and certified according to the European standards EN 13123-1, EN 13123-2, EN 13124-1 and EN 13124-2.

 **Sound-insulating doors** The acoustic doors of Protec Industrial Doors are available at different levels of performance: Rw 50 dB, Rw 45 dB and Rw 38 dB according to the European standard EN-ISO 10140-3. These solutions are tested and certified as a complete door-construction, not just the panels. In addition, we offer project based solutions at specific acoustic Hertz bands. Even acoustic ratings above 30 dB are possible on the 63Hz frequency.



 **Façade elements** The special doors of Protec Industrial doors can be positioned in line with the façade or wall. These solutions can also be fitted with cladding materials identical to the façade elements. Use of these special doors creates a unique façade appearance, with the door being concealed in the façade.

 **Special design doors** All the advanced door solutions can be carried out with project-based aesthetic features. For example, the doors can be carried out with ecological plant cover, modifications using various kinds of materials and modified door shapes to follow the façade lining.

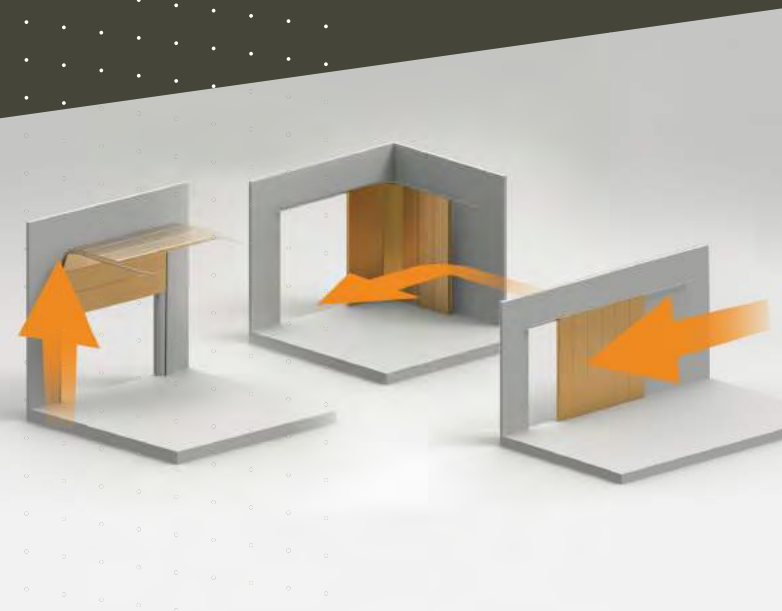


**All possibilities  
can be combined  
into one door**



## Methods of movement

The Protec Industrial Doors solutions are available in different methods of movement. These various methods are developed to best fit your project specifications in terms of requirements, functionality, aesthetics, spatial utilization and engineering. A few examples of available movement methods are: overhead doors, sliding doors, sliding around the corner, moving into the floor, hinged doors, pivot doors or multiple movement options.



## Other requirements

The product-range of Protec Industrial Doors is not restricted to the solutions mentioned above. Protec Industrial Doors has developed multiple project-based solutions in/for/against, for example: liquid-retention, shielding, TEMPEST, grounding, vandalism, etc. In addition, Protec Industrial Doors keeps developing its solutions on a project basis. If you require a solution which deviates from standard, do not hesitate to contact us.



## National standards & project documentation

Protec Industrial Doors offers you a project-based approach. We are therefore able to provide solutions in accordance with your project/country specific standards as well as the European requirements, including but not limited to: the British Standards such as LPS 1175 and the American standards such as the Unified Facilities Criteria UFC.

Protec Industrial Doors can provide you with a complete and project-related advice as early as during the initial phase. In addition, we are able to provide you with a project-specific tender description. For example for the L20 (Great Britain), Leistungsverzeichnis (Germany), CCTP (France), etc. All applicable preconditions are taken into account here.

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