



### EN 16005 **INSTALLATIONS**



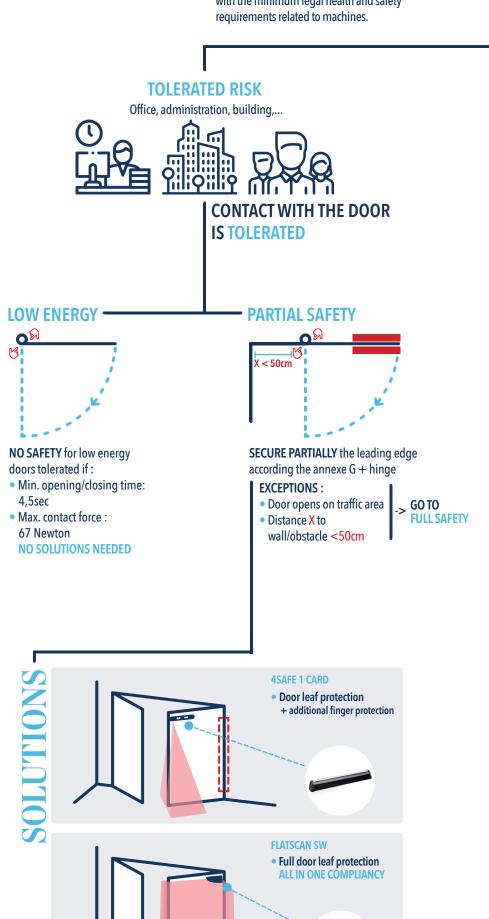
An automatic door is a machine. Therefore all installations must comply with the Machinery Directive which is European law.

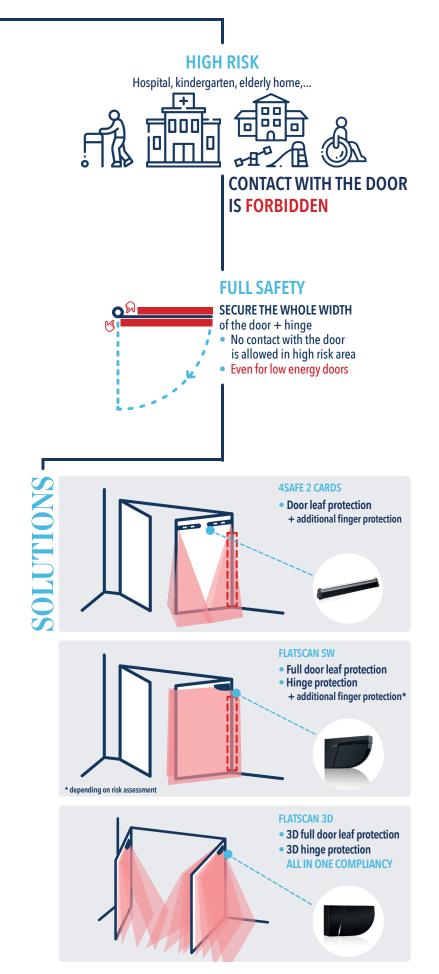
The easiest way to meet the essential health and safety requirements of the Machinery Directive is to follow the EN 16005 standard, which is a harmonised standard under the Machinery Directive.

By meeting the provisions of EN 16005 your installation is presumed to comply with the minimum legal health and safety requirements related to machines.

### **GENERAL RULE**

"WHEN A LARGE PROPORTION OF THE USERS ARE ELDERLY, INFIRM, DISABLED PERSONS AND YOUNG CHILDREN ANY CONTACT OF THE DOORSET WITH THE USER IS UNACCEPTABLE."





# **GUIDELINE TO COMPLY** WITH THE EN 16005

TO THE LEVEL OF SAFETY

**CHOICE OF SENSOR ACCORDING** 

**AUTOMATIC DOORS LOW ENERGY DOORS** PARTIAL SAFETY **LEVEL OF SAFETY REQUIRED FULL SAFETY NO SAFETY** X X Majority of eldery people, disabled people and childern Contact between a person and the door is forbidden X Door can open on traffic area Safety distance between the hinge and wall/barrier ≤ 50cm X First 80° opening of the door can be faster than 3sec First 80° closing of the door can be faster than 3sec Last 10° closing of the door can be faster than 1,5sec The force of the door in movement is higher than 67N Minority of elderly people, disabled people and children, Contact between a person and the door is allowed, First 80° opening time of the door is more than 3 sec Protection of the hinge area 4SAFE 2L + finger protection + finger protection **RECOMMENDED SENSORS** FLATSCAN SW FLATSCAN SW NONE + finger protection FLATSCAN 3D FLATSCAN 3D

# BEA EN 16005 PRODUCTS



- Safety during opening and closing
- Edge safety up to 2,5m • Easy and reliable installation



## **FLATSCAN SW**

- Safety during opening and closing
- Edge safety up to 2,5m • Full door leaf coverage
- Hinge protection Fully compliant • Easy and reliable installation



- FLATSCAN 3D Safety during opening and closing
- Dynamic edge safety • 3D door leaf coverage
- 3D hinge protection All in one compliancy
- Easy and reliable installation