



EleG

NEV

VEMV

PrSG

2014/30/EU

Ordinance  
on the safety  
of machinery

2014/35/EU

2006/42/EC

EN 13241  
Industrial and commercial  
garage doors and gates

305/2011

Construction  
product ordinance

**suva**  
CERTIFICATION

Construction  
product law

# Doors and gates in the European constellation of rules

## European constellation of rules for doors and gates

Doors and gates are construction products that are regulated by European

- Construction Products Regulation 305/2011.

Power operated doors and gates are also subject to

- European Machinery Directive 2006/42/EC,
- Low Voltage Directive 2014/35/EU
- and EMC Directive 2014/30/EU.

The standards that also apply are listed below:



**EN 13241 Industrial and commercial garage doors and gates – Product standard, performance characteristics**

## Terminology

- EN 12433-1 Terminology
- EN 12433-2 Parts of doors

## EMC Directive 2014/30/EU

- EN 61000-6-2 EMC Interference immunity
- EN 61000-6-3 EMC Emissions

## Low Voltage Directive 2014/35/EU



### Useful links

- European directives and regulations:  
[www.ec.europa.eu/growth/sectors\\_en](http://www.ec.europa.eu/growth/sectors_en)
- European standards:  
[www.snv.ch](http://www.snv.ch), [www.electrosuisse.ch](http://www.electrosuisse.ch),  
[www.sia.ch](http://www.sia.ch)

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Order number: CE04-4.e – 09.21  
[www.suva.ch/ce04-4.e](http://www.suva.ch/ce04-4.e)

The basic safety and health requirements of these directives and regulations must be fulfilled. Manufacturers must be able to demonstrate compliance in the form of a technical documentation and confirm this to buyers with a Declaration of Conformity.

- European harmonised standards represent an instrument for the fulfilment of the requirements mentioned. Product standard EN 13241 «Industrial and commercial garage doors and gates» is one example. It describes the safety requirements laid down for doors and gates (without fire resistance or smoke control characteristics)

## Machinery Directive 2006/42/EC

- EN 12453 Safety in use of power operated doors – Requirements and test methods
- EN 12978 Safety devices for power operated doors – Requirements and test methods
- EN 12604 Mechanical aspects – Requirements and test methods
- EN 12635 Installation and use
- EN ISO 13849-1 Safety of machinery – Safety-related parts of control systems
- EN ISO 13850 Safety of machinery – Emergency stop equipment
- EN 60204-1 Safety of machinery – Electrical equipment of machines
- EN ISO 14118 Safety of machinery – Prevention of unexpected start-up

## Construction Products Regulation 305/2011

- EN 12424 Resistance to wind load – Classification
- EN 12444 Resistance to wind load – Testing and calculation
- EN 12425 Resistance to water penetration – Classification
- EN 12489 Resistance to water penetration – Test method
- EN 12426 Air permeability – Classification
- EN 12427 Air permeability – Test method
- EN 12428 Heat transmittance coefficient
- EN ISO 12567-1 Determination of thermal transmittance coefficients
- EN ISO 10140-2 Sound insulation – Measurement
- EN ISO 717-1 Sound insulation – Rating

The European directives and regulations mentioned have been integrated into Swiss law, i.e. they are also **binding for Switzerland**.

The link with

- the European Construction Products Regulation 305/2011 is established through
- the Federal Law governing Construction Products (Construction product ordinance) and
- the relevant ordinance (Construction product law).

The diagram on the front page also indicates the other links between the European directives mentioned and Swiss legislation. More detailed information is given in our publication CE00-2.