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SIMPLYCE

INTRODUCTION TO CE NORMS AND STANDARDS FOR DOORS AND GATES

TWO THOUSAND EIGHTEEN

INTRODUCTION

CE-norms and standards for doors and gates.

The information that we provide is a summary and only our interpretation of the current status of the guidelines and the consequences thereof in practice.

We strongly recommend that you check this information for your local situation before you take any steps, actions or investments. FlexiForce cannot be held responsible.

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CE MARKING

- CE marking is confirmation that a product meets specific European criteria and has been tested in line with the relevant guidelines. The ITT determines the performance of your product.

- A CE mark is the product manufacturer's guarantee that the CE marked product does not pose unacceptable risk to people, environment or property when used correctly

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MAIN REQUIREMENTS CE

- Design/Compose/Construct the door for
  - Safe installation
  - Use
  - Repair
  - Dismantling

- In normal use the door must withstand static and dynamic forces considering
  - Wear
  - Tear,
  - Corrosion

CE MARKING IS MANDATORY FOR EVERY DOOR AVAILABLE ON THE MARKET

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CE FOR DOOR COMPANY

A door producing company is obligated to make sure that every version of a door has CE marking!

CE marking consist of:

On door level

- CE label on the door

At the door company

- CE construction file (for every version specific)
- Factory Production Control

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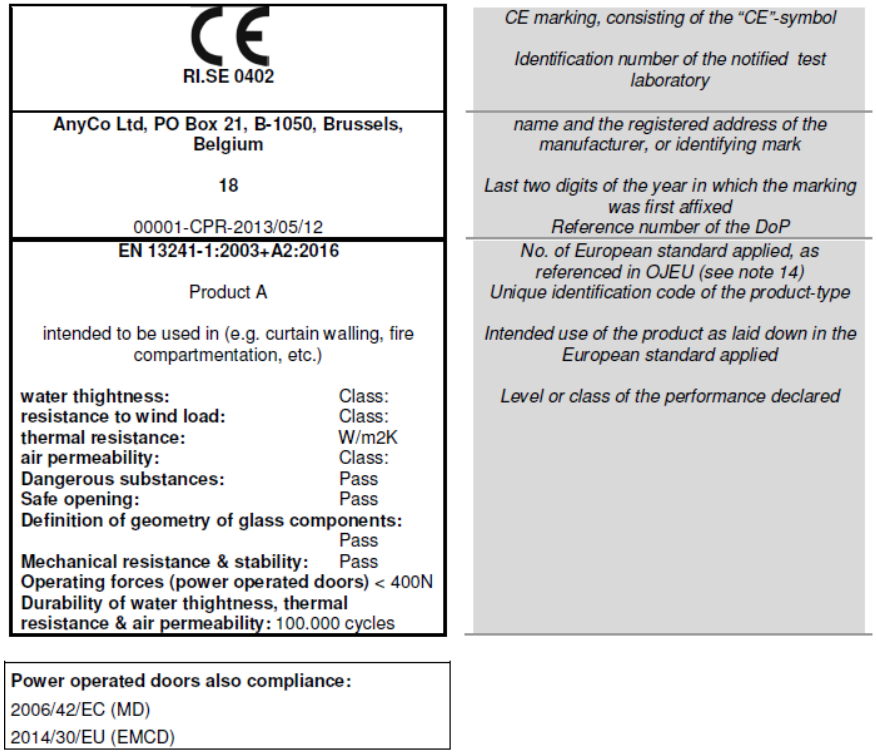
CE FOR DOOR COMPANY

- CE Label

A CE label on the door must at least have the following information.

Information by door company
- Address data
- Year of production
- Identification number
- Mechanical stability construction, *Pass*
- Dangerous substances, *pass*

Information by a notified body
(from initial type testing report)
- Water tightness class
- Wind load class
- Thermal resistance
- Safe opening *pass*
- Durability, Lifespan test cycles
- Operating forces for power operated doors



Directives
- Mention national/local directives applied to the door (see additional info for EU directives for doors)

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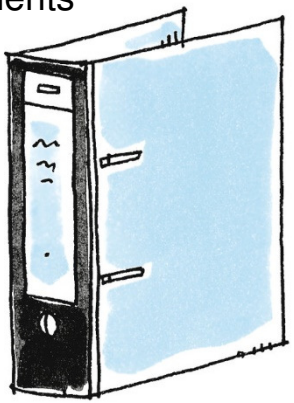
CE FOR DOOR COMPANY

- CE construction file

The construction file of the door needs to have at least the following information and documents



Must be made by door company

- Declaration of Performance of the door (DoP)
- Declaration of conformity (DoC, Only for power operated doors)
- Initial type testing report with life span testing (30.000-100.000 cycles)
- Risk assessment for the door
- Bill of Material (all used parts, electric motor, panels, hardware etc.)

Ask from suppliers

- RoHS declarations, from suppliers of electrical equipment
- REACH Declaration from suppliers, Manufacturers must declare they are compliant to the REACH Directive.
- Declarations of incorporation for all safety related parts (or make sure that the documents are made available at your request)

Ask from supplier or made by door company

- Manual for installation, use, repair and dismantling, In language of end users

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CE FOR DOOR COMPANY

- Factory production control

Factory production control is necessary for door assembling/producing companies. Having a well-organized FPC will increase a constant quality.

Make sure to file all construction and production data of the door attached to the serial number.

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CE FOR INSTALLER

- Regulation is different per country.
  - When door is installed, the installer should sign the Declaration of conformity (check at local authorities)
  - In some countries the installer signs the site risk assessment (always check the local authorities)

- Installer should sign a document that declares the installation is safe.

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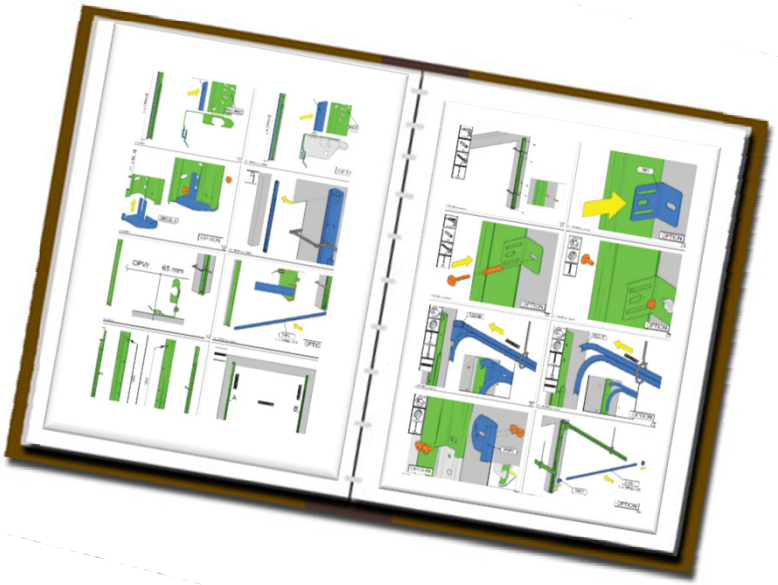
END USER

The end user may expect the following (without asking)

- Label with CE marking on the door
- Declaration of performance
- Declaration of conformity (for power operated doors)
- Manuals for use, maintenance, repair and dismantling in his language



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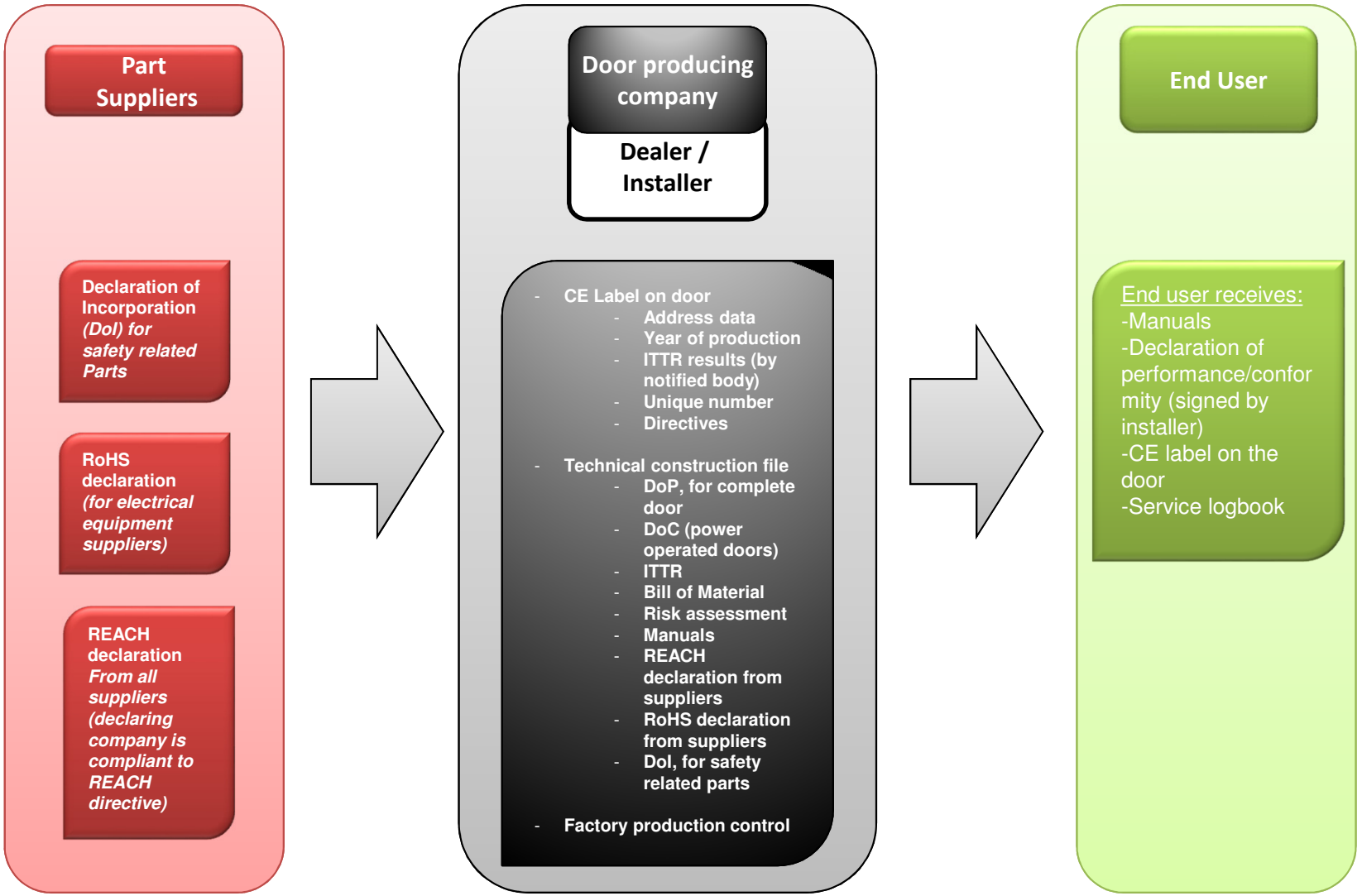
FLOW DIAGRAM



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INITIAL TYPE TESTING

- Initial type testing report (ITTR) for every version specific overhead door
- ITTR results are the performance characteristics of the door (Also used for the CE label on the door)
- Testing is done by a notified body according Directive EN13241:2003+A2:2016 and other applicable directives

RI.SE
Research Institutes of Sweden

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FLEXIFORCE ITTR SERVICE

Flexiforce has the Flexiforce hardware sets tested with the most common panels and E-operators. All test results are in the ITTR from Flexiforce.

As a door company you can purchase a report from the Flexiforce ITTR on your company's name. The report has the tesresults for the Flexiforce hardware system with the panels and operator chosen by your company.

NOTE ! When replacing a Flexiforce component in your construction. Make sure the component has the same (or better) specifications, file them and write a Declaration.

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ITTR SERVICE

To apply for an ITTR on your company's name
1. Download "ITTR request order form" https://www.flexiforce.com/downloads/ce/
2. Fill the form with your requirements
3. Send the form to sales.nl@flexiforce.com

Test results in the ITTR with Flexiforce hardware components are done within following specs.

Industrial doors
ISC, IND

•	Max. W	=	8.500mm
•	Max. H	=	7.000mm
•	Max. door	=	700 kg
•	Testdoor	=	4000mm x 3500mm

Residential doors:
RSC, RSC-T 2.0

•	Max. W	=	5.000mm
•	Max. H	=	3.000mm
•	Max. door	=	225 kg (depending on max. weight SBD)
•	Testdoor	=	2500mm x 2610mm

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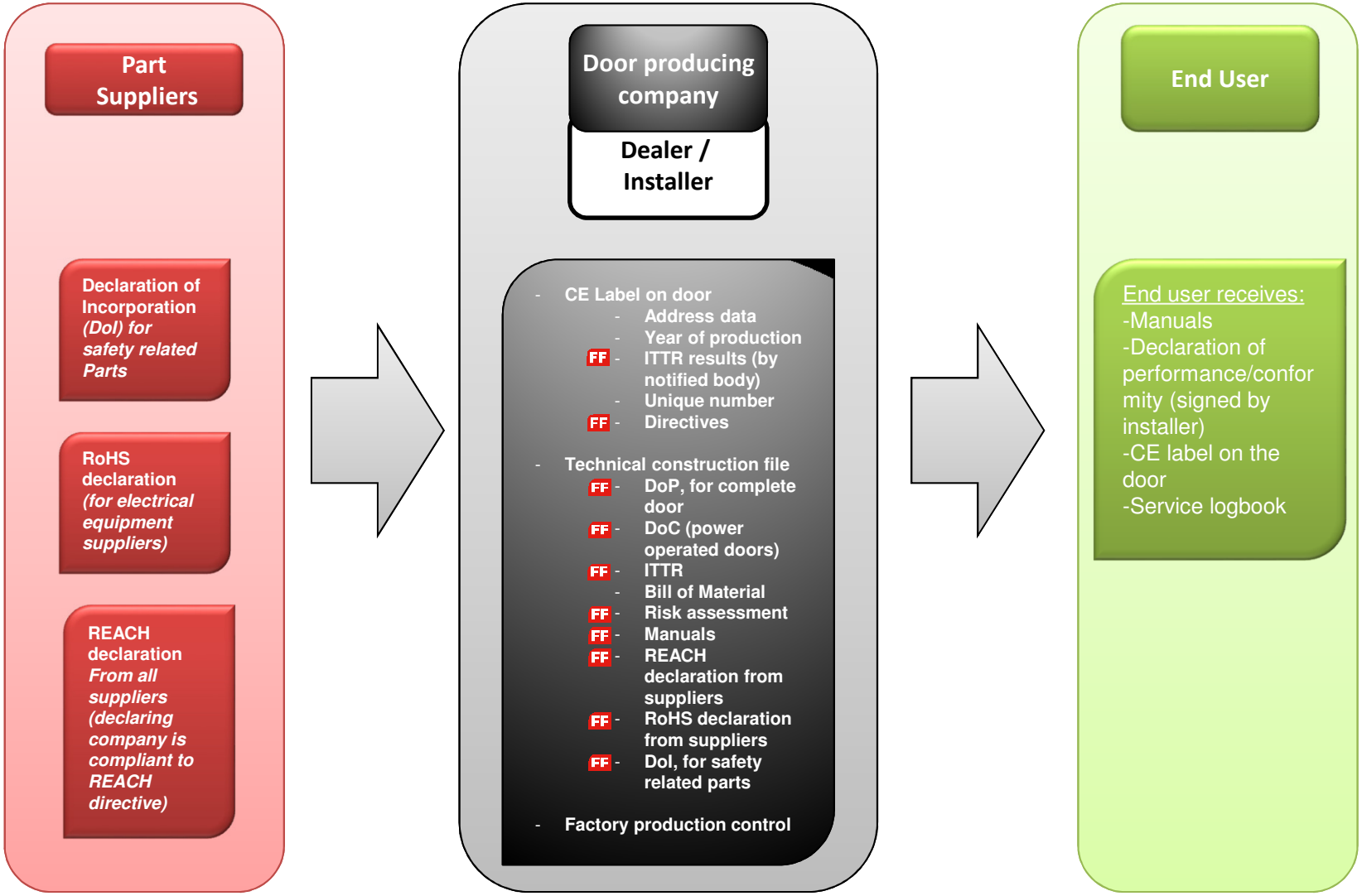
FLOW DIAGRAM



FF = FLEXIFORCE CAN SUPPORT F.E. with documents for FF parts, reports, templates, examples, etc.

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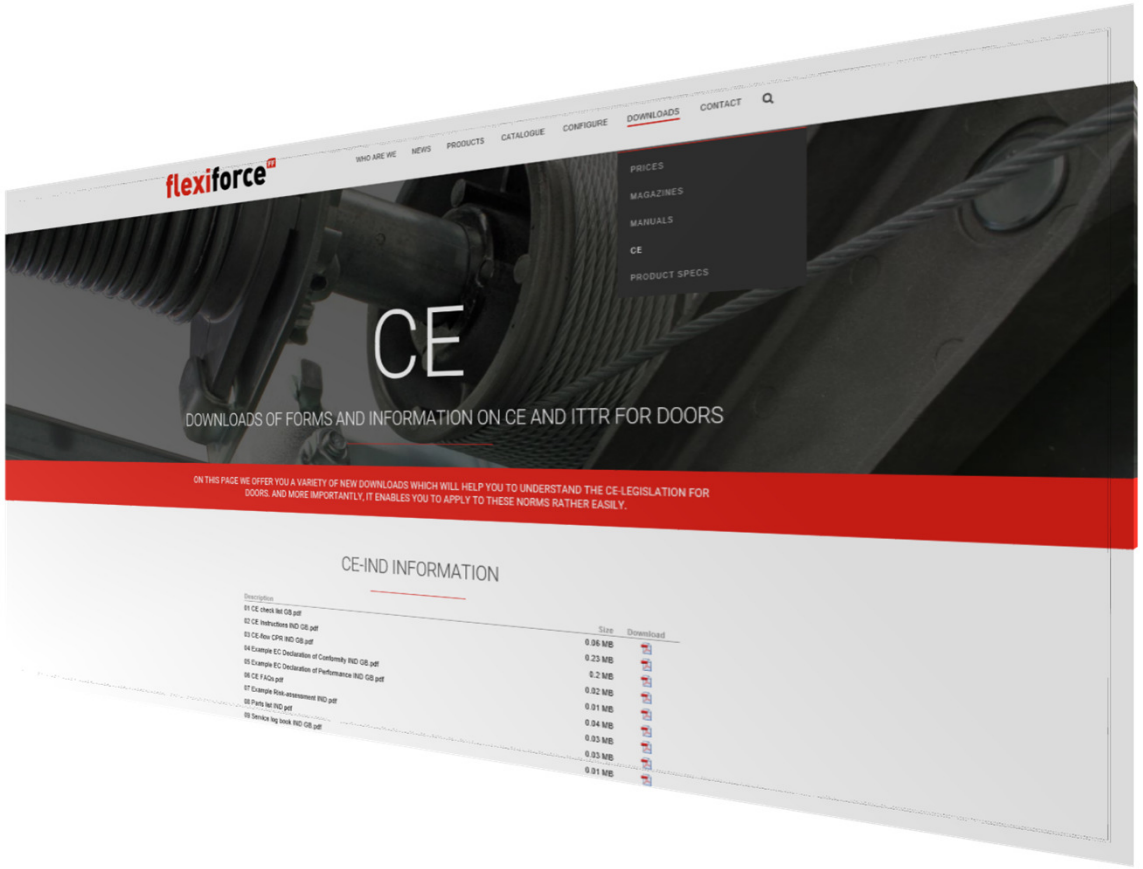
WEBSITE

- http://www.flexiforce.com/downloads/ce/



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CE SERVICE

- Checklist
- Templates & EXAMPLES
  - Declaration of Incorporation
  - Declaration of Performance
  - CE Label
  - Risk assessment
  - Service logbook
- Installation manuals for Flexiforce systems

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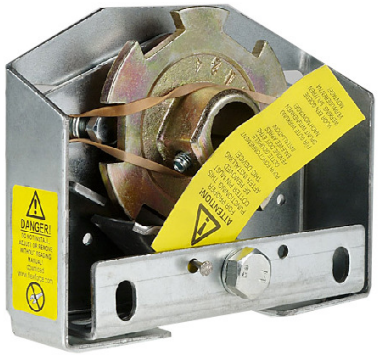
CE SERVICE

- Declaration of incorporation for Flexiforce safety related parts. For example:

Cable-break-devices



Spring break devices

E-operators

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ADDITIONAL INFO

Directives/standards for EU member states applicable on overhead doors.

- CPR, 305/2011 Construction product regulation (For building products)
  All doors and gates

- EN13241:2003+A2:2016
  Industrial, commercial, garage doors and gates - Product standard, performance characteristics

- 2006/42/EC Machine directive (MD)
  Machine safety, Power-operated doors
  (It is most likely that directive 2009/127/EC is amending the current machine directive in 2019)

- 2014/35/EU (LV)
  Low voltage directive, Electrical safety of e-products. Power-operated doors

- 2014/30/EU
  Electro Magnetic Compatibility for e-products. Power-operated doors

- 2011/65/EU RoHS
  Hazardous substances in electrical equipment

- EC 1907/2006 REACH
  Directive for Chemical substances

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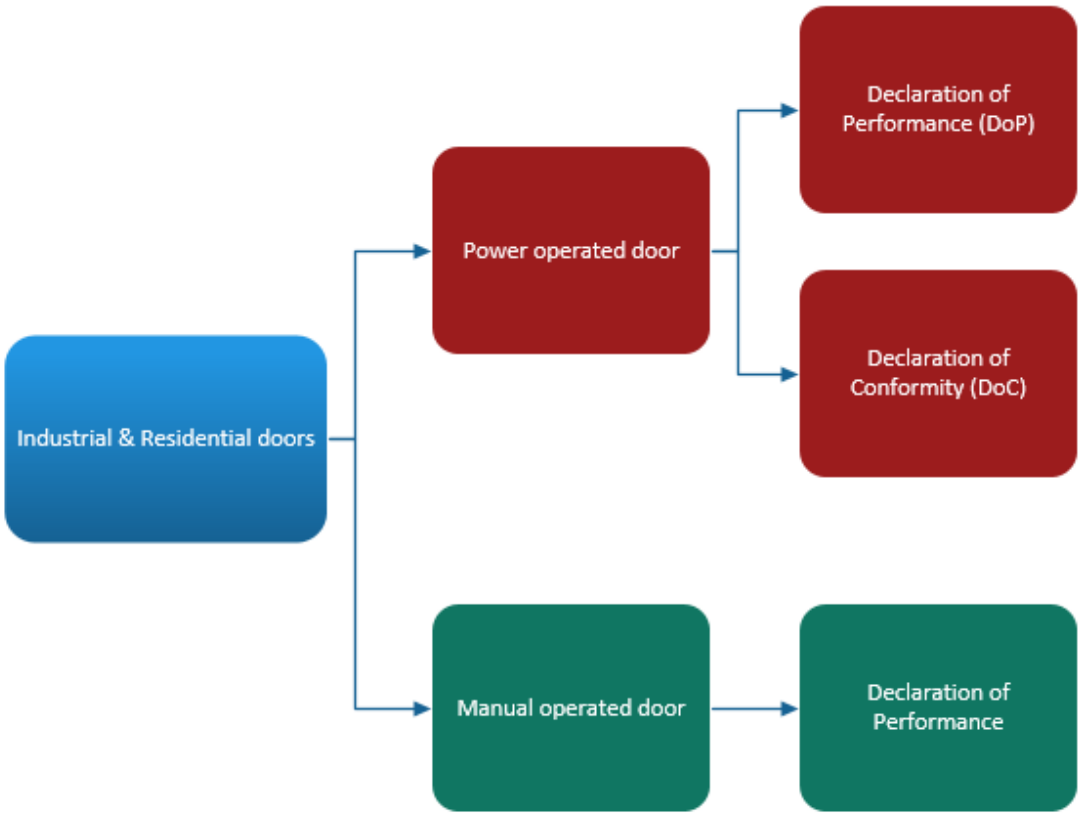
ADDITIONAL INFO

Declaration flow diagram



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ADDITIONAL INFO

- Declaration of Incorporation (DoI)
  - Declarations for part of a machine F.E. E-operator
  - A DoI is required for all safety related parts in your complete machine (door)
  - Ask a DoI at your safety related part supplier for the used parts
- Declaration of Conformity (DoC)
  - Declaration in which the manufacturer of the complete machine (the door) declares the machine is compliant to the applied directives.
  - DoC must be made by the door company and is required for power operated doors
- Declaration of Performance (DoP)
  - The DoP contains the unique number and characteristics for each door. As a door company you should make and give DoP to the costumer
- RoHS declaration
  - Is a declaration for the use of hazardous substances in electrical equipment
  - Part suppliers should provide a RoHS declaration if they have electrical equipment in there catalogue.
- REACH declaration
  - The REACH declaration is for use of chemical substances. For example: PU foam in panels
  - A supplier should provide a REACH declaration. In this declaration the manufacutere declares that he is compliant to the REACH Directive

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Thank you

CE

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