

BASF Polyurethanes GmbH · Postfach 1140 · 49440 Lemförde · Germany

**EU - DECLARATION OF CONFORMITY**

- Description of the part : Safety component in accordance with annex III number 4 of the directive 2014/33/EU – Energy-accumulating lift buffer with non-linear characteristics
- Type : 80x80 – A  
80x80 - B  
100x80  
125x80  
165x80  
140x110
- Year of production : See date stamp
- The safety part corresponds to the following regulations : Directive 2014/33/EU  
EN 81-20:2014  
EN 81-50:2014  
Safety regulations for construction and building of lifts
- Notified body for type examination : TÜV Nord Cert GmbH  
Langemarckstraße 20  
45141 Essen  
Notified Body 0044
- EC – type examination certificate : 80x80 - A: 44 208 12082724  
80x80 - B: 44 208 12082725  
100x80: 44 208 12082726  
125x80: 44 208 12082727  
165x80: 44 208 12082728  
140x110: 44 208 12082729
- Notified body for production inspection : TÜV Nord Cert GmbH  
Langemarckstraße 20  
45141 Essen  
Notified Body 0044
- 29.07.2019



i. V. Martin Wilke

## Lifetime of Cellasto®-HD lift buffers, operating & maintenance instruction

1. Mounting / Installation / Marking
2. Temperature range for operation
3. Lifetime of the product
4. Harm by external fluids
5. Harm by fire
6. Visual inspection at maintenance

### 1. Mounting / Installation / Marking

Cellasto®-HD lift buffers can be mounted in single or parallel configuration. The parts contain a steel insert, which is form-fit connected with the Polyurethane material. Installation can be done either in the lift shaft or on the elevator car. We recommend to use a screw M16 to fix the parts, whereat the use of a washer is not necessary. The area of support should be even and about 15 % bigger than the lift buffer diameter. The impact / contact area should be even and parallel to the lift buffer's upper surface. Following legal requirements of some countries (e.g. A17.7), the lift buffers must be marked with the name of the competent supervisory authority and additional information, if not already engraved or printed on the part. The foreseen tags (plates, labels or stickers) are then delivered in these countries together with the parts.

### 2. Temperature range for operation

Cellasto®-HD lift buffer operation temperature should be between -20°C and +60°C. Exceeding these limits will not directly influence the lifetime, but the operating characteristic / load deflection curve could be affected.

### 3. Lifetime of the product

Cellasto®-HD lift buffers are maintenance-free, but there must be take place a regular visual inspection (see pt. 6). The lifetime depends on the climate condition in the lift shaft. Generally the lift buffers have a lifetime of more than 10 years, and their design is foreseen to withstand the dynamic cycles and applied loads for 30 years.

### 4. Harm by external fluids

Cellasto®-HD lift buffers must not have any contact with strong acids or bases as well as with oils and greases, because this could lead to a destruction of this Polyurethane element. In the case of occurrence of such a contamination, the lift buffer must be exchanged. Humidity and its condensate do not harm the lift buffer.

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## 5. Harm by fire

In the case of a fire, Cellasto®-HD lift buffers can partially burn (melt), be partly or completely damaged. Therefore it should be done immediately a visual inspection of the elements after a fire occurrence nearby the installation area.

## 6. Visual inspection at maintenance

Lift buffers must be exchanged, if found one of the following cases during yearly visual inspection:

- a. Cracks (appearance: gape open; inner surface area is rough)
- b. Detaching and or peeling of the lift buffer outer skin (appearance: loose areas)
- c. Missing areas / broken out (appearance: rough area)
- d. Burning marks (appearance: black or dark brown; melted areas)
- e. Damages by acids or bases (appearance: corrosive groove)
- f. Cuts (appearance: like incision with knife)

BASF Polyurethanes GmbH  
Global Business Management Cellasto®  
July 11<sup>th</sup>, 2019



ppa. Dr. Strauß  
New Markets & Products



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