

2. Durability

Concrete C30/37 is used in the REBLOC[®] vehicle restraint system, the concrete cover is as indicated by EN 13369 / EN 1992-1-1. The concrete exposure class is dictated by the climate and local environmental conditions.

In the temperate zone, where the application of thawing salt occurs in the winter season the concrete class XF4 according to EN 206 is applied.

All exposed steel parts, in particular the connection coupling, are hot-dipped galvanized in accordance with EN ISO 1461. Climate and environmental-related requirements of the construction site are considered as de-icing salt is used in the temperate zone. Here the climate and environment-related requirements of the installation location are taken into account, which in the temperate zone applies to the use of road salt according to the above specifications.

In accordance with the evaluation methods EN ISO 1461 and EN 206-1 REBLOC[®] Concrete Barriers can be considered to have a life cycle of twenty-five years in minimum depending on the weather and environmental conditions.

3. Environmental Recycling

The disposal of a REBLOC[®] Concrete Barriers unit should incorporate all appropriate recycling principles. The steel parts (reinforcement, tension bars and connecting coupling) of the barrier should be mechanically separated from the concrete. Each material type being environmentally recycled through approved recycling companies.

There are no regulated substances within the REBLOC[®] road restraint system.

4. Applicable Documents

Datasheet REBLOC RB80L_4_N2/W4

Datasheet REBLOC RB80L_8_H1/W5

Datasheet REBLOC RB80_8_N2/W3

Datasheet REBLOC RB80_8_H1/W4

Datasheet REBLOC RB80H_8_H2/W5

Datasheet REBLOC RB85BF_8_T3/W1

Datasheet REBLOC RB85BFS_8_T3/W2

Datasheet REBLOC RB100H_2_H3/W6

Datasheet REBLOC RB100_2_H2/W5

Datasheet REBLOC RB100_8_H2/W5

Datasheet REBLOC RB100_8_H4b/W6

Datasheet REBLOC RB110_8_H4b/W6

Datasheet REBLOC RB110L_8_H2/W5

Datasheets special elements to the corresponding systems

Installation instructions REBLOC Permanent Systems