

Corrosion classes

Rolling shutters

Alucolor® | Minicolor® | Rolpac® | Tradi PUR | Renobloc | Reno Integro

| Produit | Corrosion class | Corrosion class DTU 34.4 |
|---------------|-----------------|--------------------------|
| Alucolor | 3 | C1/3 |
| Minicolor III | 4 | C2/4 ^(a) |
| Rolpac III | 4 | C2/4 ^(a) |
| Tradi PUR | 4 | C2/4 ^(a) |
| Renobloc | 4 | C2/4 ^(a) |
| Reno Integro | 4 | C2/4 ^(a) |

Test

- The salt spray tests are carried out according to ISO 9227.
- The visual inspection is carried out according to EN 1670.

Corrosion classes according to EN 13659:2015

| Corrosion class | Corrosion resistance | Operating conditions | Test duration |
|-----------------|----------------------|---|---------------|
| 1 | Low resistance | Indoor in dry environment | 24 h |
| 2 | Moderate resistance | Indoor area where condensation may occur | 48 h |
| 3 | High resistance | Outdoor area where occasional or frequent humidification, rain or dew may occur | 96 h |
| 4 | Very high resistance | Outdoor area with very harsh conditions | 240 h |

Corrosion classes according to DTU 34.4: 2015 (NF P 34-351)

| Atmosphere outside | | | Corrosion class |
|--------------------|---------------------------------------|--|---------------------|
| Code | Description | Definition | |
| E11 | Unpolluted rural atmosphere | Environment corresponding to the outside of buildings located in the countryside in the absence of any particular source of corrosion, for example: smoke fallout containing sulphurous vapours. | C1/3 |
| E12 | Normal urban or industrial atmosphere | Environment corresponding to the outside of buildings located in small or medium-sized conurbations and/or in an industrial environment comprising one or more factories producing gases and fumes which increase atmospheric pollution without being a source of corrosion due to the high content of chemical compounds. | C1/3 |
| E13 | Severe urban or industrial atmosphere | Environment corresponding to the outside of buildings located in large conurbations and/or in an industrial environment. Compared with atmosphere E12, the increase in aggressiveness is due to the presence of chemical compounds, which may be continuous or intermittent, but which do not have a high content and are not a source of significant corrosion. | C1/3 |
| E14 | Marine atmosphere A | Atmosphere of buildings located between 10 km and 20 km from the coastline | C1/3 |
| E15 | Marine atmosphere B | Atmosphere of buildings located between 3 km and 10 km from the coastline | C2/4 |
| E16 | Seaside | Atmosphere of buildings located less than 3 km from the coast, excluding conditions of direct attack by seawater and sea spray (seafront) | C2/4 ^(a) |
| E19 | Aggressive atmosphere | Environments where the severity of the exposures described above is increased by certain effects such as: very high corrosivity; abrasion; high temperatures; high humidity; high dust deposits; sea spray on the seafront; etc. | C2/4 ^(a) |

^(a) Defects in appearance without altering the functionality of the product are acceptable. The combination of elements on the seafront (salt, sand, water spray, etc.) can lead to a more rapid attack on the anti-corrosion coating, making this resistance class insufficient. Regular maintenance can delay the appearance of traces of corrosion.