

Corrosion classes

Facade awnings

Solozip® | Soloscreen®

Product	Corrosion class	Corrosion class DTU 34.4
Solozip II	4	C2/4 ^(a)
Soloscreen IV	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.