

Korrosivitäts-Kategorie, Korrosionsbelastung	Korrosivität	Korrosivitäts-Schutzdauer (Klasse)	Schutzdauer (Jahre)*	Salzschichtdicke in µm	Kondensieren von Wasserdampf in Stunden (h)	Einwirken von Salzsprühnebel in Stunden (h)	Beispiele typischer Umgebungen
C1 unbedeutend	sehr gering wenig aggressiv innen	kurz mittel lang	2 bis 5 Jahre	70	—	—	Nur Innenräume: gedämmte Gebäude (60% nLF)
			5 bis 15 Jahre	70	—		
			über 15 Jahre	70	—		
C2 gering	gering mäßig aggressiv außen/innen	kurz mittel lang	2 bis 5 Jahre	80	48	—	gering verunreinigte Atmosphäre, trockenes Klima, z.B. ländliche Bereiche
			5 bis 15 Jahre	120	48	—	
			über 15 Jahre	160	120	—	
C3 mäßig	mäßig wenig aggressiv außen/innen	kurz mittel lang	2 bis 5 Jahre	120	48	120	Stadt- und Industrie- Atmosphäre mit mäßiger SO ₂ -Belastung oder gemäßigtes Klima
			5 bis 15 Jahre	160	120	240	
			über 15 Jahre	200	240	480	
C4 stark	hoch mäßig aggressiv außen/innen	kurz mittel lang	2 bis 5 Jahre	160	120	240	Industrie-Atmosphäre und Küstenatmosphäre mit mäßiger Salzbelastung
			5 bis 15 Jahre	200	240	480	
			über 15 Jahre	240-280	480	720	
C5-I sehr stark (Industrie)	sehr hoch, aggressiv außen/innen	kurz mittel lang	2 bis 5 Jahre	200	240	480	Industrie-Atmosphäre mit hoher relativer Luftfeuchte und aggressiver Atmosphäre
			5 bis 15 Jahre	240-280	480	720	
			über 15 Jahre	320	720	1440	
C5-M sehr stark (Meer)	sehr hoch maritim außen/innen	kurz mittel lang	2 bis 5 Jahre	200	240	480	Küsten- und Offshorebereiche mit hoher Salzbelastung
			5 bis 15 Jahre	240-280	480	720	
			über 15 Jahre	320	720	1440	

05/2011-KorrosMades

* Schutzdauer:

kurz: 2 bis 5 Jahre
mittel: 5 bis 15 Jahre
lang: über 15 Jahre

Die Schutzdauer ist keine „Gewährleistungszeit“.

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