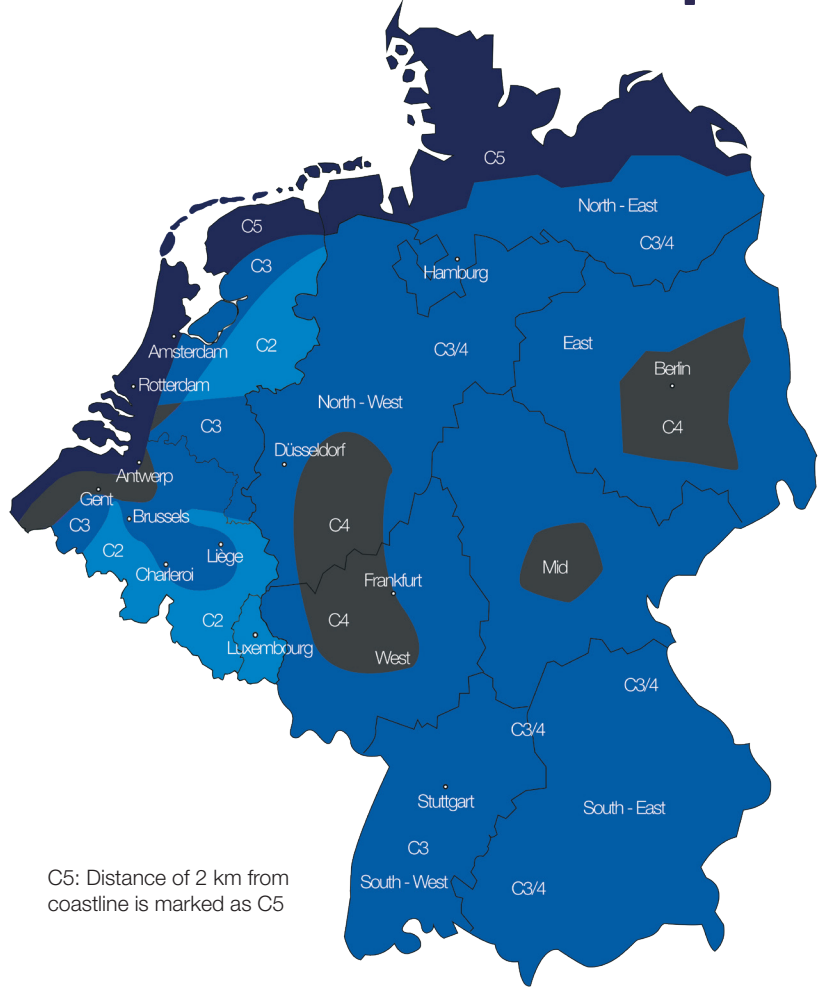


Corrosion map



C5: Distance of 2 km from coastline is marked as C5

Climate

Sustainability	Corrosion classes (ISO 12944-2)			
	C1/C2	C3*	C4*	C5 I/M*
(L)ow 2-5 years	Inside quality	120 hrs	240 hrs	480 hrs
(M)edium 5-15 years	Inside quality	240 hrs	480 hrs	720 hrs
(H)igh >15 years	Inside quality	480 hrs	720 hrs	1440 hrs

*HDG (Hot-Dip Galvanized), NSS, steel NSS, aluminum AASS



AD Chemicals B.V.
contact@adinternationalbv.com
Tel. +31 (0)167 526 920

Address
Markweg Zuid 27
4794 SN Heijningen
Nederland
adchemicals.com



"AD is worldleader in development and production of chemistry for metal surface treatment. We add value through sharing knowledge, process optimization and quality delivery, thereby exceeding market standards."

Roland van Meer
Business Unit Manager AD Chemicals

adchemicals.com



AD Chemicals
is part of AD International

Product Overview

Chemical pretreatment																												One step pretreatment																																																				
	Degreasing						Degreasing Etching					Degreasing Derusting		Degreasing Phosphation		Passivation after phosphating Conversion			Passivation Conversion							Passivating (Bare corrosion resistance)			Degreasing Passivating Conversion		Passivating Conversion																																																	
	Cleaner CC-15	Cleaner ABF	Cleaner ALT	MM31®	Cleaner Neutral		Starter MM	Cleaner 502	Cleaner 504	Cleaner 506		Isoclean	Starter MM	Phosphate 06H	PreCoat CPF	PreCoat ADL 4P	MM31®		PreCoat Cr Free	PreCoat Color	PreCoat A34	PreCoat TVL	PreCoat Z31	PreCoat CPF		PreCoat A32	Passivation ADL 32		MM31®	PreCoat F31/20																																																		
Additives																																																																																
Detergent CN LF			+		+		+																																																																									
Detergent 56	+																																																																															
Detergent CN			+				+																																																																									
Detergent 503					+		+																																																																									
Additive 20 HF (activator)						+	+																																																																									
Substrate applicability and corrosion classes																																																																																
Aluminum extrusion	+	+		C5(H)	+		+	+	+/-	+			+	C5(L)	C5(L)	C5(H)	C5(H)		C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)		+			C5(H)	C5(H)																																																		
Aluminum plate	+	+		C5(H)	+		+	+	+/-	+			+	C5(L)	C5(L)	C5(H)	C5(H)		C5(H)	C5(H)	C5(H)	C5(H)	+	C5(H)		C5(H)																																																						
Cast aluminum		+		C4(H)	+		+		+	+				C3(H)	C3(H)	C4(H)	C5(M)		C5(M)	C5(M)	C5(M)	C5(M)	C5(M)	C5(M)		C5(M)																																																						
HDG (Hot-Dip Galvanized)	+	+	+	C5(M)	+		+		+		+/-	+				C5(M)				C5(L)	C5(M-H)	C5(M-H)			+		C5(M)	C5(M)																																																				
Senzimir	+	+	+	C4(H)	+		+	+	+		+	C4(M)	C4(M)	C4(H)	C5(M)				C5(L)	C5(M-H)	C5(M-H)																																																											
Zincor	+	+	+	C4(H)	+		+	+	+		+	C4(M)	C4(M)	C4(H)	C5(M)	C4(M)	C4(M)	C4(M)	C4(M)	C4(M)	C4(M)	C4(M)					C4(M)																																																					
SS AISI 304	+	+	+	C5(H)	+		+				+	+	C5(L)	C5(L)	C5(M)	C5(H)			C5(L)	C5(L)	C5(M-H)	C5(M-H)	C5(M-H)	C5(M-H)				C5(H)	C5(H)																																																			
SS AISI 316	+	+	+	C5(H)	+		+	+	+		+	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)	C5(H)																																																									
Steel	+	+	+	C5(M)	+		+					+	+	C4(L-M)	C4(L-M)	C5(M)	C5(M)												C5(M)		C5(M)																																																	
Application																																																																																
Spray	+	+		+	+		+	+	+			+	+	+	+	+	+		+	+	+	+	+	+					+	+																																																		
Dip	+	+	+		+		+	+	+			+	+	+	+	+	+		+	+	+	+	+	+		+																																																						
Manual				+												+																		+	+																																													
High pressure				+	+		+		+			+	+	+	+	+	+		+	+	+													+	+																																													
Product properties																																																																																
Strong Alkaline			+																																																																													
Mild Alkaline	+	+																																																																														
Neutral																																																																																
Acid																																																																																
Chrome free																																																																																
Chrome (III)																																	+																																															
Quality label (complies with or certified)																																																																																
Qualicoat				+																																																																												
Qualimarine				+																											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																															
GSB				+																											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																															
Qualisteelcoat				+																											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																															

Disclaimer
This table has been compiled through a combination of practical experience and laboratory research. The overview provides a general guideline, assessment will be necessary for each substrate and situation.