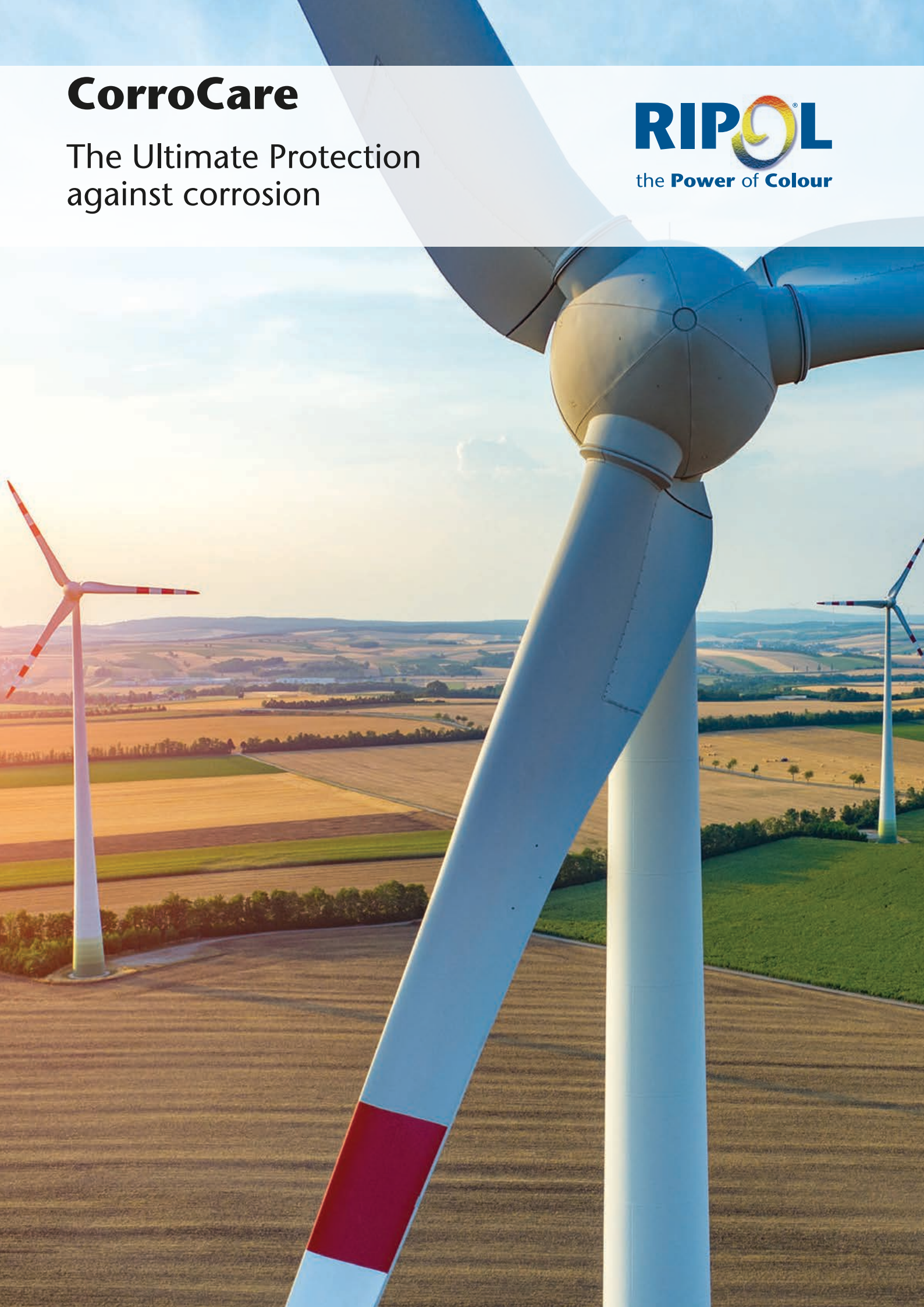


CorroCare

The Ultimate Protection
against corrosion

RIPOL
the **Power of Colour**



CorroCare Primers

High performance protection with outstanding corrosion resistance

Zinc-free epoxy primers designed for use in Dual-Layer Systems to offer superior long-lasting corrosion protection for steel and galvanized structures (HDG) exposed to the most severe environmental conditions. Corrosion protection up to C5-I according to ISO 12944. Tested and approved as "QUALISTEELCOAT" seal of quality for 2-coat application.



Advantages

Formulated around epoxy resins, the RIPOL high quality primers will bring additional properties to your product:

- Excellent adhesion with the substrate and the topcoat
- Improved barrier effect
- Excellent mechanical properties
- Improved chip resistance
- Improved corrosion resistance including filiform corrosion
- Excellent resistance to chemicals
- Easy application (application recycling)
- Good flow and reactivity
- Good edge coverage
- Reduced wear of coating equipment
- Good storage stability

RIPOL CORROCARE ABP Anticorrosion Systems in accordance with DIN EN ISO 12944-6

Cat	Surface	SP	RIPOL CorroCare PRIMER ± 7038			RIPOL Topcoat SERIES 5		Thickness System	QUALISTEELCOAT Licence n°
			Thickness	Green Cure (1)	Full Cure	Thickness	Full Cure		
C4-H	STEEL	mechanical	60-80µ	6-10@140°	15-25@160°	80-100µ	TDS (2)	140-180µ	PE-0065
C4-H	STEEL	chemical	60-80µ	6-10@140°	15-25@160°	80-100µ	TDS (2)	140-180µ	PE-0064
C5-I	HDG	mechanical	60-80µ	6-10@140°	15-25@160°	80-100µ	TDS (2)	140-180µ	PE-0072

HDG: Hot Dip Galvanized. SP= Pretreatment. (1) Green Cure: If used in a Dual Layer system, optimal intercoat adhesion is achieved by pre-curing the primer prior to application of a RIPOL Series 5 topcoat. It must then be cured, applying the curing parameters as indicated in the topcoat TDS. (2) RIPOL Series 5: PE Architectural Systems QUALICOAT Class 1 - GSB Standard - Use RIPOL Series 59L when superior color and gloss stability is needed.

Best-in-class corrosion protection



Protective solutions for every application



Environmentally friendly



Varied Applications Consistent Results

RIPOL has developed Anticorrosion Powder Coating Systems to protect a variety of metal substrates such as steel, galvanized steel and aluminum against the various outward forms of corrosion.

RIPOL - Other Anticorrosion Systems (Dual Layer)										
Cat.(3)	Surface	SP	Code	RIPOL PRIMER				TOPCOAT		SYSTEM Thickness
				Colour	Thickness	Green Cure (1)	Full Cure	RIPOL Series 5		
								Thickness	Curing	
C3-H	STEEL	MEC	22LG1B00220	7004	60-80µ	===	20-25@180°C	80-100µ	TDS(2)	140-180µ
			22LG1703520	7035			10-12@190°C			
C3-H	STEEL	MEC	12LG1F26812	± 7001	60-80µ	===	15-20 @ 180°C 10-12 @ 190°C 8-10 @ 200°	80-100µ	TDS(2)	140-180µ
C4-H	STEEL	MEC	28LG1D69090	± 7042	60-80µ	5@180°C	20@160°C 15@170°C 10@180°C	80-100µ	TDS(2)	140-180µ
C4-H	HDG	MEC	23LG1704720	7047	60-80µ	===	20-25@180°C 10-12@190°C	80-100µ	TDS(2)	140-180µ
C5-I	STEEL	MEC	28LG1C29090 (4)	± 7000	60-80µ	5 @180°C	20@160°C 15@170°C 10@180°C	80-100µ	TDS(2)	140-180µ

HDG : Hot Dip Galvanized. SP: pretreatment. MEC STEEL blasting Sa ≥ 2,5-Ra 6-12µ. MEC HDG sweeping up to lightweight layer of zinc reduction; (1) Green Cure: If used in a Dual Layer system, optimal intercoat adhesion is achieved by pre-curing the primer prior to application of a RIPOL Series 5 topcoat. It must then be cured, applying the curing parameters as indicated in the topcoat TDS. (2) Series 5 RIPOL Architectural PE Systems QUALICOAT Class 1-GSB Standard. Use RIPOL Series 59L super durable systems when superior colour and gloss stability is needed. (3) Internal test (4) Zinc-rich Primer.

Universal PRIMER B002

Epoxy-based universal undercoat with superior intercoat adhesion. Smooth matt finish.
Grey ± RAL 7004, ± RAL 7035.

Antigassing PRIMER HDG 23LG1704720

Epoxy-based primer facilitates outgassing on parts such as castings or galvanizing. Smooth matt finish.
Grey ± RAL 7047

Functional PRIMER - RIPOL Series 2 FBE

Powder coating systems developed specifically to meet a wide range of functional specifications. They are used to protect steel pipes, reinforced concrete rebars, valves and joints, and tanks.

RIPOL Xtra Wall

Used to apply thick films (up to 600 µ) on pre-heated steel components ensuring excellent resistance to corrosion without drips or smears.



Atmospheric corrosion of steel

Corrosion is the deterioration of metals due to chemical or electrochemical reaction resulting from exposure to severe weather, humidity, chemical products or other agents present in the environment such as air pollution, solar radiation or heavy rain. Corrosion of steel leads to high repair and maintenance costs. The use of an appropriate anti-corrosion system will improve the life of the painted structure.

Corrosion Protection Classification for coating systems applied to steel in accordance with DIN EN ISO 12944-6							
Cat	Corrosion risk	Typical Environment	Durability		Test procedures (hrs)		
			Class	Years	ISO-2812-1	ISO-6270	ISO-9227
C1	Very low	Heated buildings/neutral atmosphere.	Low	<5	==	48	
			Medium	5-15	==	48	
			High	>15	==	120	
C2	Low	Rural areas, low pollution	Low	<5	==	48	120
			Medium	5-15	==	120	240
			High	>15	==	240	480
C3-H	Moderate	Urban and industrial atmosphere with moderate sulfur dioxide levels. Production areas with high humidity	Low	<5	==	120	240
			Medium	5-15	==	240	480
			High	>15	==	480	720
C4-H	Severe	Industrial and coastal. Chemical processing plants	Low	<5	==	166	240
			Medium	5-15	==	166	240
			High	>15	==	166	240
C5-I	Very severe industry	Industrial areas with high humidity and aggressive atmosphere	Low	<5	166	240	480
			Medium	5-15	166	480	720
			High	>15	166	720	1440
C5-M	Very severe marine	Marine, offshore*, estuaries, coastal areas with high salinity	Low	<5	166	240	480
			Medium	5-15	166	480	720
			High	>15	166	720	1440

CHEM: chemical resistance ISO-2812-1. COND: condensation water test ISO-6270. SST- salt spray test ISO-9227

The **RIPOL CorroCare** range offers a selection of tough, hardworking powder coating primers designed to give an additional level of protection to your products. They were developed to deal with the most challenging applications and to protect metal substrates such as steel and galvanized steel from corrosion.



Environmentally friendly

RIPOL powder coatings are eco-friendly, do not contain any solvents and no Volatile Organic Compounds (VOCs) are released into the air. Any powder overspray can be recycled with minimal wastage, and disposal is easy and safe. In addition, all our products are heavy metal-free.



RIPOL®

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RIPOL Srl **Corporate Office**

Via Donatori del Sangue, 25/A
I-20010 Santo Stefano Ticino - Milan - Italy
Tel. +39 02 97 48 41 1
Fax +39 02 97 48 41 70
international@ripol.com
www.ripol.com

Registered Office

Foro Buonaparte 67
I-20121 Milan - Italy

France

RIPOL EURL

Quartier des Entrepreneurs
870, rue Denis Papin
F-54710 Ludres
Tel. +33 (0)3 83 29 91 75
Fax +33 (0)3 83 29 91 76
info-FR@ripol.com

Germany

RIPOL GmbH

Bauhofring 2/1
D-71732 Tamm
Tel. +49 (0) 7141 38 98 253
Fax +49 (0) 7141 38 98 271
info-DE@ripol.com

Poland

RIPOL Farby Proszkowe Sp. z o. o.

Building E Wisniowy Business Park
ul. Ilzecka 26
PL-02-135 Warszawa
Tel. +48 22 575 70 16
Fax +48 22 575 70 01
info-PL@ripol.com

Spain

Recubrimientos Termoend. RIPOL, S.L.U.

Avda. Les Garrigues, 46
E- 08820 El Prat de Llobregat - Barcelona
Tel. +34 93 482 15 14
Fax +34 93 482 15 01
info-ES@ripol.com

Switzerland

RIPOL Sagl

Via Nassa, 5
CH-6900 Lugano
Tel. +41 (0) 91 912 22 22
Fax +41 (0) 91 912 23 40
info-CH@ripol.com



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**European Excellence,
Italian Specialty
since 1999**

