

# ISO 12944

## SYSTEMS GUIDE 2020 EDITION

COMPLIANT WITH ISO 12944-5:2018 INDEPENDENTLY TESTED



## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C2 ENVIRONMENT

### C2 HIGH DURABILITY: 15–25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-1-C2H
2	Epoxy	Macropoxy 646	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-3-C2H
3	Epoxy	Macropoxy 267	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-2-C2H
4	Polyaspartic	Envirolastic 2500	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-4-C2H
5	Alkyd	Kem-Kromik 155	80	Element
		Kem-Kromik 155	80	ERO029057-1-C2H
		<b>TOTAL</b>	<b>160</b>	
6	Epoxy	Macropoxy 400	70	Element
	Polyurethane	Acrolon 7300	50	ERO029057-2-C2H
		<b>TOTAL</b>	<b>120</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C2 ENVIRONMENT

C2 VERY HIGH DURABILITY: >25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-5-C2VH
	<b>TOTAL</b>		<b>180</b>	
2	Epoxy	Macropoxy 646	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-6-C2VH
	<b>TOTAL</b>		<b>180</b>	
3	Polyaspartic	Envirolastic 2500	180	Element
	<b>TOTAL</b>		<b>180</b>	ERO027446-7-C2VH
4	Epoxy	Macropoxy 400	180	Element
	<b>TOTAL</b>		<b>180</b>	ERO029057-3-C2VH
5	Epoxy	Macropoxy 400	90	Element
		Macropoxy 400	90	ERO029057-4-C2VH
	<b>TOTAL</b>		<b>180</b>	
6	Epoxy	Macropoxy 400	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO029057-5-C2VH
	<b>TOTAL</b>		<b>180</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

### Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C3 ENVIRONMENT

C3 MEDIUM DURABILITY: 7-15 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-1-C3M
2	Epoxy	Macropoxy 646	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-3-C3M
3	Epoxy	Macropoxy 267	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-2-C3M
4	Polyaspartic	Envirolastic 2500	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-4-C3M
5	Epoxy	Fast Clad 7220	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027187-1-C3M
6	Epoxy	Fast Clad 7240	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027187-2-C3M

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C3 ENVIRONMENT

### C3 HIGH DURABILITY: 15–25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad 7220	125	Element
	Polyurethane	Acrolon 7300	55	ERO027187-6-C3H
	<b>TOTAL</b>		<b>180</b>	
2	Epoxy	Fast Clad 7220	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO027187-10-C3H
	<b>TOTAL</b>		<b>180</b>	
3	Epoxy	Fast Clad 7240	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO027187-11-C3H
	<b>TOTAL</b>		<b>180</b>	
4	Epoxy	Fast Clad 7240	125	Element
	Polyurethane	Acrolon 7300	55	ERO027187-12-C3H
	<b>TOTAL</b>		<b>180</b>	
5	Epoxy	Macropoxy 400	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-5-C3H
	<b>TOTAL</b>		<b>180</b>	
6	Epoxy	Macropoxy 646	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-6-C3H
	<b>TOTAL</b>		<b>180</b>	
7	Polyaspartic	Envirolastic 2500	180	Element
		<b>TOTAL</b>	<b>180</b>	ERO027446-7-C3H
8	Epoxy	Macropoxy 400	180	Element
		<b>TOTAL</b>	<b>180</b>	ERO029057-3-C3H
9	Epoxy	Macropoxy 400	90	Element
		Macropoxy 400	90	
		<b>TOTAL</b>	<b>180</b>	
10	Epoxy	Macropoxy 400	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO029057-5-C3H
	<b>TOTAL</b>		<b>180</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C3 ENVIRONMENT

C3 VERY HIGH DURABILITY: >25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad 7220	80	Element
	Epoxy	Fast Clad 7220	80	ERO027187-7-C3VH
	Acrylic epoxy	Acrolon 1850	80	
		<b>TOTAL</b>	<b>240</b>	
2	Epoxy	Macropoxy 400	190	Element
	Polyurethane	Acrolon 7300	50	ERO027446-8-C3VH
		<b>TOTAL</b>	<b>240</b>	
3	Polysiloxane	Sher-Loxane 800	120	Element
		Sher-Loxane 800	120	ERO027446-10-C3VH
		<b>TOTAL</b>	<b>240</b>	
4	Epoxy	Macropoxy 400	140	Element
	Polyaspartic	Envirolastic 2500	100	ERO027187-20-C3VH
		<b>TOTAL</b>	<b>240</b>	
5	Epoxy	Macropoxy 400	120	Element
		Macropoxy 400	120	ERO029057-7-C3VH
		<b>TOTAL</b>	<b>240</b>	
6	Epoxy	Macropoxy 646	190	Element
	Polyurethane	Acrolon 7300	50	ERO029057-10-C3VH
		<b>TOTAL</b>	<b>240</b>	
7	Epoxy	Fast Clad 7220	190	Element
	Polyurethane	Acrolon 7300	50	ERO029057-12-C3VH
		<b>TOTAL</b>	<b>240</b>	
8	Epoxy	Macropoxy 400	160	Element
	Polyurethane	Acrolon 1850	80	ERO029057-13-C3VH
		<b>TOTAL</b>	<b>240</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

C4 LOW DURABILITY: <7 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-1-C4L
2	Epoxy	Macropoxy 646	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-3-C4L
3	Epoxy	Macropoxy 267	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-2-C4L
4	Polyaspartic	Envirolastic 2500	120	Element
		<b>TOTAL</b>	<b>120</b>	ERO027446-4-C4L

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

### C4 MEDIUM DURABILITY: 7-15 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad 7220	125	Element
	Polyurethane	Acrolon 7300	55	ERO027187-6-C4M
	<b>TOTAL</b>		<b>180</b>	
2	Epoxy	Fast Clad 7220	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO027187-10-C4M
	<b>TOTAL</b>		<b>180</b>	
3	Epoxy	Fast Clad 7240	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO027187-11-C4M
	<b>TOTAL</b>		<b>180</b>	
4	Epoxy	Fast Clad 7240	125	Element
	Polyurethane	Acrolon 7300	55	ERO027187-12-C4M
	<b>TOTAL</b>		<b>180</b>	
5	Epoxy	Macropoxy 400	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-5-C4M
	<b>TOTAL</b>		<b>180</b>	
6	Epoxy	Macropoxy 646	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-6-C4M
	<b>TOTAL</b>		<b>180</b>	
7	Polyaspartic	Envirolastic 2500	180	Element
		<b>TOTAL</b>	<b>180</b>	ERO027446-7-C4M
8	Epoxy	Macropoxy 400	180	Element
		<b>TOTAL</b>	<b>180</b>	ERO029057-3-C4M
9	Epoxy	Macropoxy 400	90	Element
		Macropoxy 400	90	ERO029057-4-C4M
		<b>TOTAL</b>	<b>180</b>	
10	Epoxy	Macropoxy 400	100	Element
	Acrylic epoxy	Acrolon 1850	80	ERO029057-5-C4M
	<b>TOTAL</b>		<b>180</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

### C4 HIGH DURABILITY: 15-25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad 7220	80	Element
	Epoxy	Fast Clad 7220	80	ERO027187-7-C4H
	Acrylic epoxy	Acrolon 1850	80	
		<b>TOTAL</b>	<b>240</b>	
2	Epoxy	Macropoxy 400	190	Element
	Polyurethane	Acrolon 7300	50	ERO027446-8-C4H
		<b>TOTAL</b>	<b>240</b>	
3	Polysiloxane	Sher-Loxane 800	120	Element
		Sher-Loxane 800	120	ERO027446-10-C4H
		<b>TOTAL</b>	<b>240</b>	
4	Epoxy	Macropoxy 400	140	Element
	Polyaspartic	Envirolastic 2500	100	ERO027187-20-C4H
		<b>TOTAL</b>	<b>240</b>	
5	Epoxy	Macropoxy 400	120	Element
		Macropoxy 400	120	ERO029057-7-C4H
		<b>TOTAL</b>	<b>240</b>	
6	Epoxy	Macropoxy 646	190	Element
	Polyurethane	Acrolon 7300	50	ERO029057-10-C4H
		<b>TOTAL</b>	<b>240</b>	
7	Epoxy	Fast Clad 7220	190	Element
	Polyurethane	Acrolon 7300	50	ERO029057-12-C4H
		<b>TOTAL</b>	<b>240</b>	
8	Epoxy	Macropoxy 400	160	Element
	Polyurethane	Acrolon 1850	80	ERO029057-13-C4H
		<b>TOTAL</b>	<b>240</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

### C4 VERY HIGH DURABILITY REGIME 1: >25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	125	Element
	Epoxy	Macropoxy 400	125	ERO027446-11-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
2	Epoxy	Macropoxy 646	125	Element
	Epoxy	Macropoxy 646	125	ERO027446-12-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
3	Epoxy	Macropoxy 400	150	Element
	Epoxy	Macropoxy 400	150	ERO029057-20-C4VH
	<b>TOTAL</b>		<b>300</b>	
4	Epoxy	Macropoxy 400	300	Element
	<b>TOTAL</b>		<b>300</b>	ERO029057-21-C4VH
5	Epoxy	Macropoxy 400	250	Element
	Polyurethane	Acrolon 7300	50	ERO029057-14-C4VH
	<b>TOTAL</b>		<b>300</b>	
6	Epoxy	Macropoxy 400	225	Element
	Acrylic epoxy	Acrolon 1850	75	ERO029057-16-C4VH
	<b>TOTAL</b>		<b>300</b>	
7	Epoxy	Macropoxy 646	250	Element
	Polyurethane	Acrolon 7300	50	ERO029057-17-C4VH
	<b>TOTAL</b>		<b>300</b>	
8	Epoxy	Macropoxy 646	225	Element
	Acrylic epoxy	Acrolon 1850	75	ERO029057-19-C4VH
	<b>TOTAL</b>		<b>300</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

### C4 VERY HIGH DURABILITY REGIME 2: >25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Organic zinc	Zinc Clad IV	60	Element ERO027446-13-C4VH
	Epoxy	Macropoxy 267	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
2	Organic zinc	Zinc Clad IV	60	Element ERO027446-14-C4VH
	Epoxy	Macropoxy 646	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
3	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-15-C4VH
	Epoxy	Macropoxy 267	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
4	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-16-C4VH
	Epoxy	Macropoxy 646	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
5	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-17-C4VH
	Polyaspartic	Envirolastic 2500	200	
	<b>TOTAL</b>		<b>260</b>	
6	Organic zinc	Zinc Clad IV	60	Element ERO027446-18-C4VH
	Polyaspartic	Envirolastic 2500	200	
	<b>TOTAL</b>		<b>260</b>	
7	Organic zinc	Zinc Clad IV	60	Element ERO027446-19-C4VH
	Polysiloxane	Sher-Loxane 800	100	
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>260</b>	
8	Epoxy	Fast Clad 7220	125	Element ERO027446-24-C4VH
	Polyaspartic	Envirolastic 2500	175	
	<b>TOTAL</b>		<b>300</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C4 ENVIRONMENT

### C4 VERY HIGH DURABILITY REGIME 2: >25 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
9	Epoxy	Fast Clad 7220	110	Element
	Epoxy	Fast Clad 7220	110	ERO027187-8-C4VH
	Acrylic epoxy	Acrolon 1850	80	
	<b>TOTAL</b>		<b>300</b>	
10	Epoxy	Fast Clad 7220	75	Element
	Epoxy	Fast Clad 7240	145	ERO027187-9-C4VH
	Acrylic epoxy	Acrolon 1850	80	
	<b>TOTAL</b>		<b>300</b>	
11	Epoxy	Fast Clad 7220	125	Element
	Epoxy	Fast Clad 7220	125	ERO027187-13-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
12	Epoxy	Fast Clad 7220	75	Element
	Epoxy	Fast Clad 7240	175	ERO027187-14-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
13	Epoxy	Macropoxy 400	175	Element
	Polyaspartic	Envirolastic 2500	125	ERO027187-23-C4VH
	<b>TOTAL</b>		<b>300</b>	
14	Organic zinc	Zinc Clad IV	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-23-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
15	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-24-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
16	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-25-C4VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
17	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-27-C4VH
	Acrylic epoxy	Acrolon 1850	50	
	<b>TOTAL</b>		<b>260</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

C5 LOW DURABILITY: <7 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-5-C5L
	<b>TOTAL</b>		<b>180</b>	
2	Epoxy	Macropoxy 646	125	Element
	Polyurethane	Acrolon 7300	55	ERO027446-6-C5L
	<b>TOTAL</b>		<b>180</b>	
3	Polyaspartic	Envirolastic 2500	180	Element
		<b>TOTAL</b>		<b>180</b>

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

C5 MEDIUM DURABILITY: 7-15 YRS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	190	Element ERO027446-8-C5M
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>240</b>	
2	Polysiloxane	Sher-Loxane 800	120	Element ERO027446-10-C5M
	Polysiloxane	Sher-Loxane 800	120	
	<b>TOTAL</b>		<b>240</b>	
3	Epoxy	Macropoxy 400	140	Element ERO027187-20-C5M
	Polyaspartic	Envirolastic 2500	100	
	<b>TOTAL</b>		<b>240</b>	
4	Epoxy	Macropoxy 400	120	Element ERO029057-7-C5M
		Macropoxy 400	120	
	<b>TOTAL</b>		<b>240</b>	
5	Epoxy	Macropoxy 646	190	Element ERO029057-10-C5M
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>240</b>	
6	Epoxy	Fast Clad 7220	190	Element ERO029057-12-C5M
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>240</b>	
7	Epoxy	Macropoxy 400	160	Element ERO029057-13-C5M
	Acrylic epoxy	Acrolon 1850	80	
	<b>TOTAL</b>		<b>240</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

### C5 HIGH DURABILITY REGIME 1: 15–25 YEARS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Macropoxy 400	125	Element
	Epoxy	Macropoxy 400	125	ERO027446-11-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
2	Epoxy	Macropoxy 646	125	Element
	Epoxy	Macropoxy 646	125	ERO027446-12-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
3	Epoxy	Macropoxy 400	150	Element
	Epoxy	Macropoxy 400	150	ERO029057-20-C5H
	<b>TOTAL</b>		<b>300</b>	
4	Epoxy	Macropoxy 400	300	Element
	<b>TOTAL</b>		<b>300</b>	ERO029057-21-C5H
5	Epoxy	Macropoxy 400	250	Element
	Polyurethane	Acrolon 7300	50	ERO029057-14-C5H
	<b>TOTAL</b>		<b>300</b>	
6	Epoxy	Macropoxy 400	225	Element
	Acrylic epoxy	Acrolon 1850	75	ERO029057-16-C5H
	<b>TOTAL</b>		<b>300</b>	
7	Epoxy	Macropoxy 646	250	Element
	Polyurethane	Acrolon 7300	50	ERO029057-17-C5H
	<b>TOTAL</b>		<b>300</b>	
8	Epoxy	Macropoxy 646	225	Element
	Acrylic epoxy	Acrolon 1850	75	ERO029057-19-C5H
	<b>TOTAL</b>		<b>300</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

### C5 HIGH DURABILITY REGIME 2: 15–25 YEARS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Organic zinc	Zinc Clad IV	60	Element ERO027446-13-C5H
	Epoxy	Macropoxy 267	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
2	Organic zinc	Zinc Clad IV	60	Element ERO027446-14-C5H
	Epoxy	Macropoxy 646	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
3	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-15-C5H
	Epoxy	Macropoxy 267	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
4	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-16-C5H
	Epoxy	Macropoxy 646	150	
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
5	Organic zinc	Zinc Clad IV EU	60	Element ERO027446-17-C5H
	Polyaspartic	Envirolastic 2500	200	
	<b>TOTAL</b>		<b>260</b>	
6	Organic zinc	Zinc Clad IV	60	Element ERO027446-18-C5H
	Polyaspartic	Envirolastic 2500	200	
	<b>TOTAL</b>		<b>260</b>	
7	Organic zinc	Zinc Clad IV	60	Element ERO027446-19-C5H
	Polysiloxane	Sher-Loxane 800	100	
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>260</b>	
8	Epoxy	Fast Clad 7220	125	Element ERO027446-24-C5H
	Polyaspartic	Envirolastic 2500	175	
	<b>TOTAL</b>		<b>300</b>	
9	Epoxy	Fast Clad 7220	110	Element ERO027187-8-C5H
	Epoxy	Fast Clad 7220	110	
	Acrylic epoxy	Acrolon 1850	80	
	<b>TOTAL</b>		<b>300</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

### C5 HIGH DURABILITY REGIME 2: 15–25 YEARS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
10	Epoxy	Fast Clad 7220	75	Element
	Epoxy	Fast Clad 7240	145	ERO027187-9-C5H
	Acrylic epoxy	Acrolon 1850	80	
	<b>TOTAL</b>		<b>300</b>	
11	Epoxy	Fast Clad 7220	125	Element
	Epoxy	Fast Clad 7220	125	ERO027187-13-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
12	Epoxy	Fast Clad 7220	75	Element
	Epoxy	Fast Clad 7240	175	ERO027187-14-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>300</b>	
13	Epoxy	Macropoxy 400	175	Element
	Polyaspartic	Envirolastic 2500	125	ERO027187-23-C5H
	<b>TOTAL</b>		<b>300</b>	
	14	Organic zinc	Zinc Clad IV	60
Epoxy		Macropoxy 400	150	ERO029057-23-C5H
Polyurethane		Acrolon 7300	50	
<b>TOTAL</b>			<b>260</b>	
15	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-24-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
16	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-25-C5H
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>260</b>	
17	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 400	150	ERO029057-27-C5H
	Acrylic epoxy	Acrolon 1850	50	
	<b>TOTAL</b>		<b>260</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## C5 ENVIRONMENT

### C5 VERY HIGH DURABILITY REGIME 2: >25 YEARS

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Organic zinc	Zinc Clad 4700	60	Element
	Epoxy	Macropoxy 400	210	ERO029057-31-C5VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>			<b>320</b>
2	Organic zinc	Zinc Clad IV	60	Element
	Epoxy	Macropoxy 400	210	ERO029057-29-C5VH
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>			<b>320</b>
3	Organic zinc	Zinc Clad IV	60	Element
	Epoxy	Macropoxy 400	210	ERO029057-33-C5VH
	Acrylic epoxy	Acrolon 1850	50	
	<b>TOTAL</b>			<b>320</b>
4	Organic zinc	Zinc Clad IV	60	Element
	Polyaspartic	Envirolastic 2500	200	ERO029057-26-C5VH
	<b>TOTAL</b>			<b>260</b>
5	Organic zinc	Zinc Clad IV	60	Element
	Polysiloxane	Sher-Loxane 800	130	ERO029057-27-C5VH
	Polysiloxane	Sher-Loxane 800	130	
	<b>TOTAL</b>			<b>320</b>

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

## Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## CX ENVIRONMENT

TESTED IN ACCORDANCE WITH ISO 12944:2018

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Organic zinc	Zinc Clad IV	60	Element
	Epoxy	Macropoxy 267	160	ERO027446-29-CX
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
2	Organic zinc	Zinc Clad IV	60	Element
	Epoxy	Macropoxy 646	170	ERO027446-30-CX
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>280</b>	
3	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 267	170	ERO027446-31-CX
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>280</b>	
4	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 646	170	ERO027446-32-CX
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>280</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## SYSTEMS SUITABLE FOR CX ENVIRONMENT

TESTED IN ACCORDANCE WITH NORSOK M-501 REV 6 (ISO 12944:2018 PART 9)

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Inorganic zinc	Zinc Clad II EU	60	Element
	Epoxy	Macropoxy 267	160	ERO024159-72
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
2	Inorganic zinc	Zinc Clad II EU	60	Element
	Epoxy	Macropoxy 267	160	ERO024159-73
	Acrylic epoxy	Acrolon 1850	60	
	<b>TOTAL</b>		<b>280</b>	
3	Inorganic zinc	Zinc Clad II EU	60	Element
	Epoxy	Macropoxy 646	160	ERO024159-74
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
4	Inorganic zinc	Zinc Clad II EU	60	Element
	Epoxy	Macropoxy 646	160	ERO024159-75
	Acrylic epoxy	Acrolon 1850	60	
	<b>TOTAL</b>		<b>280</b>	
5	Inorganic zinc	Zinc Clad II EU	75	Element
	Epoxy	Macropoxy 267	145	ERO024159-79
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
6	Inorganic zinc	Zinc Clad II EU	75	Element
	Epoxy	Macropoxy 646	145	ERO024159-80
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
7	Inorganic zinc	Zinc Clad II EU	75	Element
	Epoxy	Macropoxy 646	145	ERO024159-81
	Acrylic epoxy	Acrolon 1850	60	
	<b>TOTAL</b>		<b>280</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## SYSTEMS SUITABLE FOR CX ENVIRONMENT

TESTED IN ACCORDANCE WITH NORSOK M-501 REV 6 (ISO 12944:2018 PART 9)

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
9	Organic zinc	Zinc Clad IV EU	75	Element ERO024159-90
	Epoxy	Macropoxy 267	145	
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
10	Organic zinc	Zinc Clad IV EU	60	Element ERO024159-96
	Epoxy	Macropoxy 267	160	
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
11	Organic zinc	Zinc Clad IV EU	60	Element ERO024159-97
	Epoxy	Macropoxy 267	160	
	Acrylic epoxy	Acrolon 1850	60	
	<b>TOTAL</b>		<b>280</b>	
12	Organic zinc	Zinc Clad IV EU	60	Element ERO024159-98
	Epoxy	Macropoxy 646	160	
	Polyurethane	Acrolon 7300	60	
	<b>TOTAL</b>		<b>280</b>	
13	Organic zinc	Zinc Clad IV EU	60	Element ERO024159-99
	Epoxy	Macropoxy 646	160	
	Acrylic epoxy	Acrolon 1850	60	
	<b>TOTAL</b>		<b>280</b>	
14	Inorganic zinc	Zinc Clad II EU	60	Element ERO024159-76
	Epoxy	Macropoxy 267	120	
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	
15	Inorganic zinc	Zinc Clad II EU	60	Element ERO024159-77
	Epoxy	Macropoxy 646	120	
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	
16	Inorganic zinc	Zinc Clad II EU	60	Element ERO024159-82
	Epoxy	Macropoxy 267	105	
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

### Independently tested systems – third party laboratory certificates available.

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## SYSTEMS SUITABLE FOR CX ENVIRONMENT

TESTED IN ACCORDANCE WITH NORSOK M-501 REV 6 (ISO 12944:2018 PART 9)

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
17	Inorganic zinc	Zinc Clad II EU	60	Element
	Epoxy	Macropoxy 646	105	ERO024159-83
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	
18	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 646	120	ERO024159-100
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	
19	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy 267	120	ERO024159-101
	Polysiloxane	Sher-Loxane 800	100	
	<b>TOTAL</b>		<b>280</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## IM2 ENVIRONMENT

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad ER	500	Element
		<b>TOTAL</b>	<b>500</b>	ERO024159-70-Im2-2018
2	Epoxy	Macropoxy 646	250	Element
	Epoxy	Macropoxy 646	250	ERO024159-65-Im2-2018
	<b>TOTAL</b>	<b>500</b>		
3	Epoxy	Macropoxy M922	250	Element
	Epoxy	Macropoxy M922	250	ERO024159-66-Im2-2018
	<b>TOTAL</b>	<b>500</b>		
4	Epoxy	Macropoxy M922	500	Element
		<b>TOTAL</b>	<b>500</b>	ERO024159-68-Im2-2018

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## IM4 ENVIRONMENT

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
2	Organic zinc	Zinc Clad IV EU	60	Element
	Epoxy	Macropoxy M922	340	ERO027446-34-Im4
	Polyurethane	Acrolon 7300	50	
	<b>TOTAL</b>		<b>450</b>	

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

**Independently tested systems – third party laboratory certificates available.**

Reference to corrosivity environments and durability levels refer to ISO 12944:2018 definitions.

## SYSTEMS SUITABLE FOR IM2 ENVIRONMENT

TESTED IN ACCORDANCE WITH NORSOK M-501 REV 6 7B

System	Product chemistry	Coating system	Thickness dft (um)	Certificate
1	Epoxy	Fast Clad ER	500	Element
		<b>TOTAL</b>	<b>500</b>	ERO024159-70-Im2-2018
2	Epoxy	Macropoxy 646	250	Element
	Epoxy	Macropoxy 646	250	ERO024159-65-Im2-2018
	<b>TOTAL</b>	<b>500</b>		
3	Epoxy	Macropoxy M922	250	Element
	Epoxy	Macropoxy M922	250	ERO024159-66-Im2-2018
	<b>TOTAL</b>	<b>500</b>		
4	Epoxy	Macropoxy M922	500	Element
		<b>TOTAL</b>	<b>500</b>	ERO024159-68-Im2-2018

The durability range is not a "guarantee time". Durability is a technical consideration / planning parameter that can help the owner set up a maintenance programme. A guarantee time is a consideration that is the legal subject of clauses in the administrative part of the contract. The guarantee time is usually shorter than the durability range. There are no rules that link the two periods of time.

# ISO 12944

SYSTEMS GUIDE 2020 EDITION  
COMPLIANT WITH ISO 12944-5:2018 INDEPENDENTLY TESTED

## THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

---

**SHERWIN-WILLIAMS®**

protectiveemea.sherwin-williams.com  
08/20 EMEA10008/V08/PC

**United Kingdom:**

+44 (0)1204 556420  
sales.uk@sherwin.com

**Europe and Africa:**

+44 (0)1204 556454  
sales.uk@sherwin.com

**Middle East:**

+971 4 8840200  
sales.me@sherwin.com

**India:**

+91 9871900878  
pmsales.india@sherwin.com