

BTS-5 SALT SPRAY TEST CERTIFICATE

CELO

CELO hereby certifies that its BTS 5 product range (BTS5 B and BTS5 PT) with Grey Zinc Flake coating, has successfully passed salt spray corrosion tests in accordance with DIN 50021 / ISO 9227, achieving **480 hours in a salt spray chamber**.

Samples tested:



BTS5 B



BTS5 PT

Valoration criteria:

- The aim of the test is to guarantee the lack of red corrosion.
- First point of white and red corrosion in the clip/clamp determines the state.
- At each observation, check the concerning number of pieces (1 per day).

TEST RESULTS:

Salt spray test - Test method: DIN50021/ISO9227

Time lapse [h]	Observations
0-24	First appearance of visual changes
24-480	Expansion of visual changes without appearance of red corrosion

Test final pictures:



BTS5 B



BTS5 PT

Test Conclusion

Starting date	White corrosion appearance	Red corrosion appearance	Test duration
07/05/2025	480 hours without white corrosion	480 hours without red corrosion	480 hours
Conclusion		Test passed for 480 hours	

Beam clips and clamps SALT SPRAY CERTIFICATE

CELO



CAB



CAL



CBR



CC



CVA



CMV

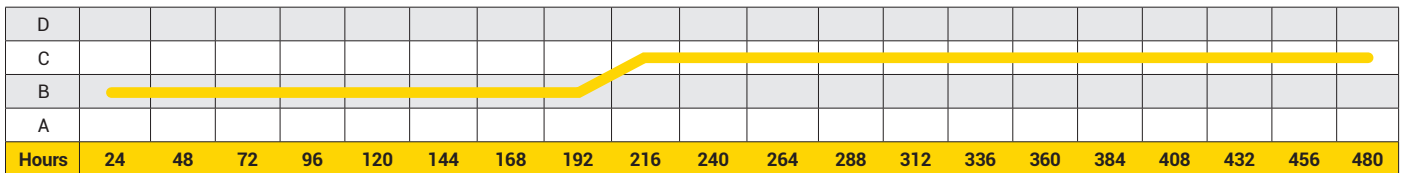


PMV

CELO certifies that its Beam clips and clamps product section (CAB, CAL, CBR, CC, CVA, CMV and PMV), with a Grey zinc flake coating, have passed the salt spray tests according to standard DIN50021/ISO9227, for 480h in a salt spray camera, without thermal shock.

During the test, no marks of white corrosion have appeared until the mark of 192h and during the 480h of the test there hasn't been any sign of red corrosion.

Test results



End of test picture

Valoration criteria:

- First point of white and red corrosion in the clip/clamp.
- At each observation, check the concerning number of pieces.

- A: No oxidation
- B: Aspect change
- C: White corrosion
- D: Red corrosion

Test Conclusion

Starting date	White corrosion appearance	Red corrosion appearance	Test duration
08/05/2024	192 hours	480 hours without red corrosion	480 hours
Conclusion		OK	

Beam clips and clamps SALT SPRAY CERTIFICATE

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CAB



CAL



CBR



CC



CVA



CMV



PMV

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During the test, no marks of white corrosion have appeared until the mark of 192h and during the 480h of the test there hasn't been any sign of red corrosion.

Test results

Day (*)	09/05	10/05	11/05	12/05	13/05	14/05	15/05	16/05	17/05	18/05	19/05	20/05
A	-	-	-	-	-	-	-	-	-	-	-	-
B	1	1	1	1	1	1	1	1	-	-	-	-
C	-	-	-	-	-	-	-	-	1	1	1	1
D	-	-	-	-	-	-	-	-	-	-	-	-
Hours	24	48	72	96	120	144	168	192	216	240	264	288



End of test picture

Day (*)	21/05	22/05	23/05	24/05	25/05	26/05	27/05	28/05
A	-	-	-	-	-	-	-	-
B	-	-	-	-	-	-	-	-
C	1	1	1	1	1	1	1	1
D	-	-	-	-	-	-	-	-
Hours	312	336	360	384	408	432	456	480

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D: Red corrosion

Test Conclusion

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08/05/2024	192 hours	480 hours without red corrosion	480 hours
Conclusion		OK	

Day (*)	09/05	10/05	11/05	12/05	13/05	14/05	15/05	16/05	17/05	18/05	19/05	20/05	21/05	22/05	23/05	24/05	25/05	26/05	27/05	28/05
D																				
C																				
B																				
A																				
Hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480

