rejiband®

BLACK C8

New high resistance organic mineral coating for aggressive environments

BLACK C8 IEC 61537



> 850 hours in the neutral salt spray test

Main advantages:

- 1. High Corrosion Resistance

Demonstrated with more than 850 hours in the neutral salt spray tests and obtained through a new manufacturing process that improves both the barrier effect against the aggressive media and the ability of self healing in damaged areas.

With the result obtained in the neutral salt spray test, more than 850 hours, the corrosion resistance is classified as Class 8, according to Table 9 of the current standard BS EN 61537 trays.

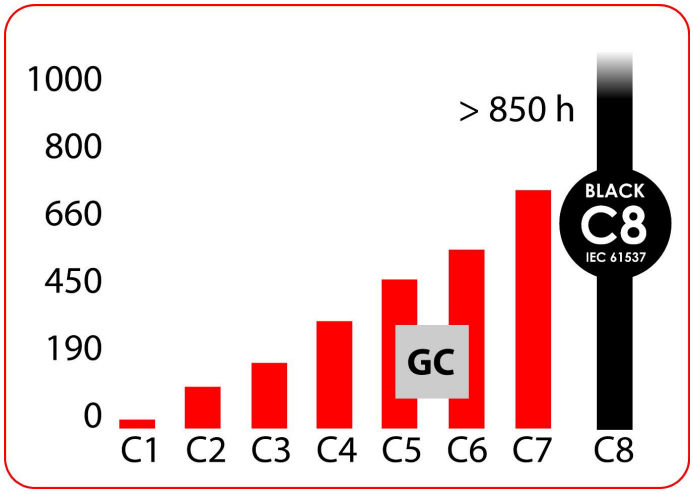


Table 9 – Salt spray test duration

Class (as detailed in Table 1)	Duration h
0	-
1	24
2	96
3	155
4	195
5	450
6	550
7	700
8	850

Table 8 – Zinc coating thickness of reference materials

Class	Minimum thickness µm	Minimum coating thickness as given in EN 10327 or EN 10326 µm	Mean coating thickness (minimum) to ISO 1461 µm
0[a]	-	-	-
1	5	-	-
2	12	-	-
3	-	15	-
4	-	19	-
5	-	-	45
6	-	-	55
7	-	-	70
8	-	-	85

[a] As declared by the manufacturer or responsible vendor

BLACK C8 IEC 61537 **Black C8** **EN-ISO-2081**

Clas. C8 = > 850 h.

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GC Galvanizado en Caliente / Hot Dip Galvanised / Galvanisation en Chaud **EN-ISO-1461**

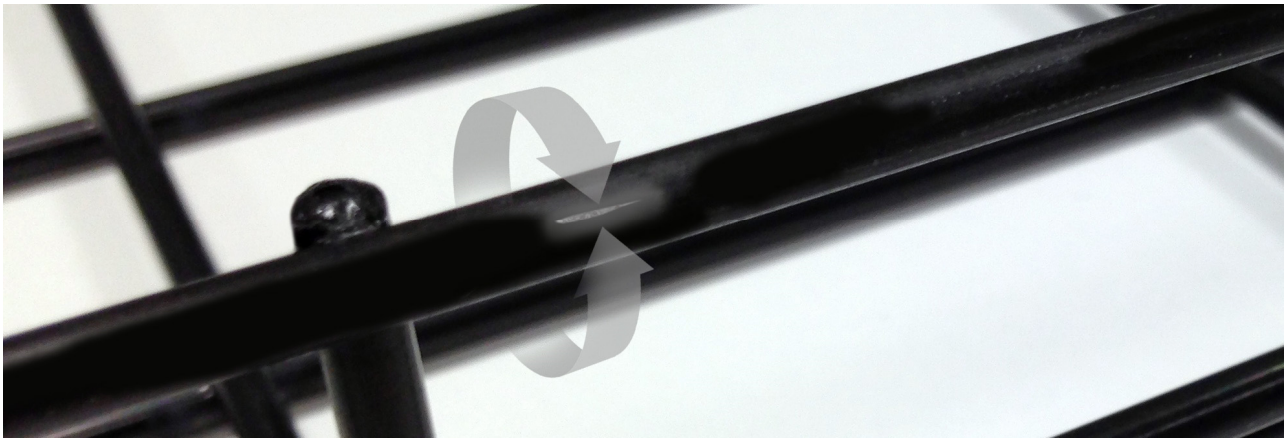
Clas. C5 = 450 h = 45 µ Espesor / Thickness / Epassieur
Clas. C7 = 700 h = 70 µ

Hot dip galvanized normally ranges from between 45 to 70 microns mean coating thickness, so it should be Class 5, 6, or 7, having a lower corrosion resistance than Black C8.

It is unusual but, in some exceptional cases, hot dip galvanised could have a coating thickness of 85 microns and be Class 8. This coating would be more expensive than Black C8. It is also important to note that the ISO 1461 standard defines this mean coating thickness only for components of more than 6mm thickness.

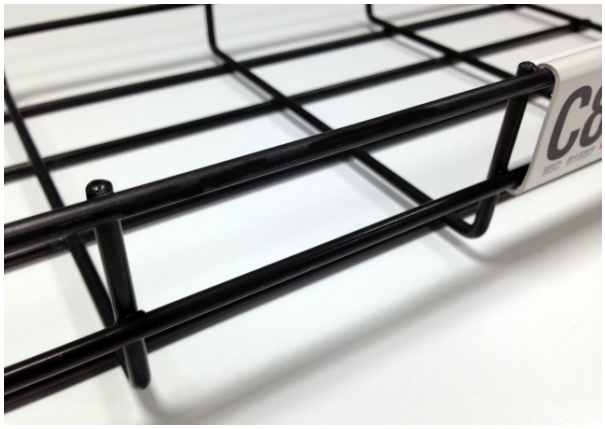
- 2. Increased capacity for self-healing, or self-repairing, of the protective layer

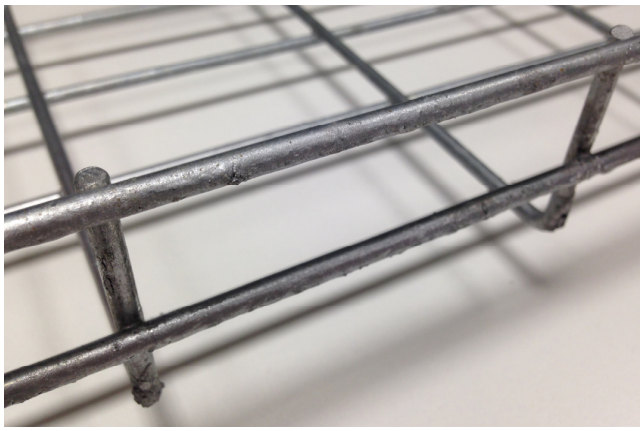
The characteristics of self-healing, or self regeneration, on scratches, minor defects or in the cutting of the wire, are remarkably better than that of the zinc.



- 3. Aesthetic appearance

The smooth finish is much more aesthetic than that of hot dip galvanised.

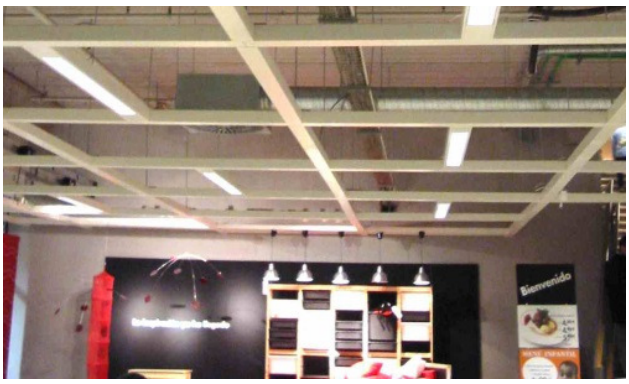




- No sharp edges or ends.

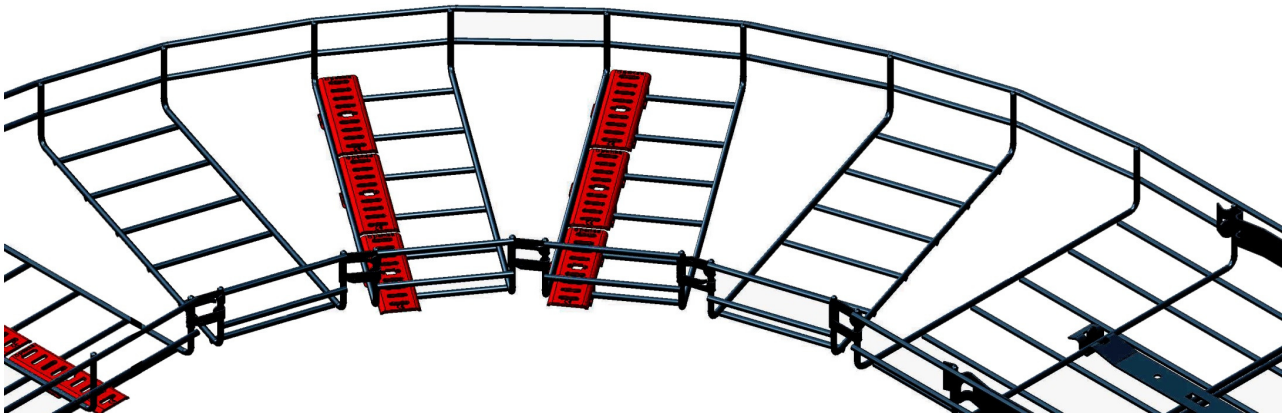
- No irregularities or areas with reduced thickness.

- Black colour provides excellent aesthetics which are suitable for decorative applications, commercial facilities, false ceilings, etc.



- 4. Excellent ductility.

It is possible to bend the the tray without causing any damage to the finish.



- 5. Electrical continuity

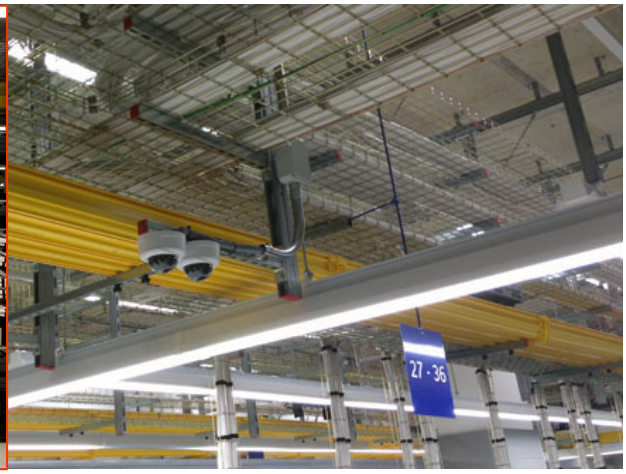
This coating maintains the electrical continuity of rejiband ®, complying with the requirements of BS EN 61537 standard for cable tray system with electrical continuity characteristics.

This feature allows bonding to other exposed conductive elements and, in case of a fault, the evacuation of electrical currents to the earth.

- 6. Zinc Whiskers

BLACK C8 coating avoids the emergence of the phenomenon of Zinc Whiskers, or loosening of filaments of zinc, which can be a serious problem within the electronics of clean rooms in Data Processing Centers.

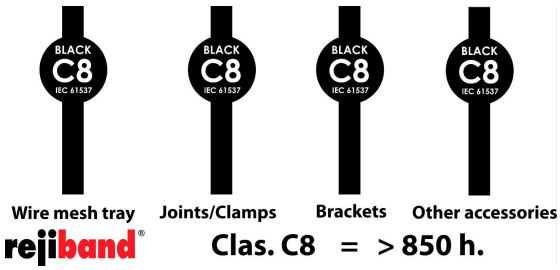




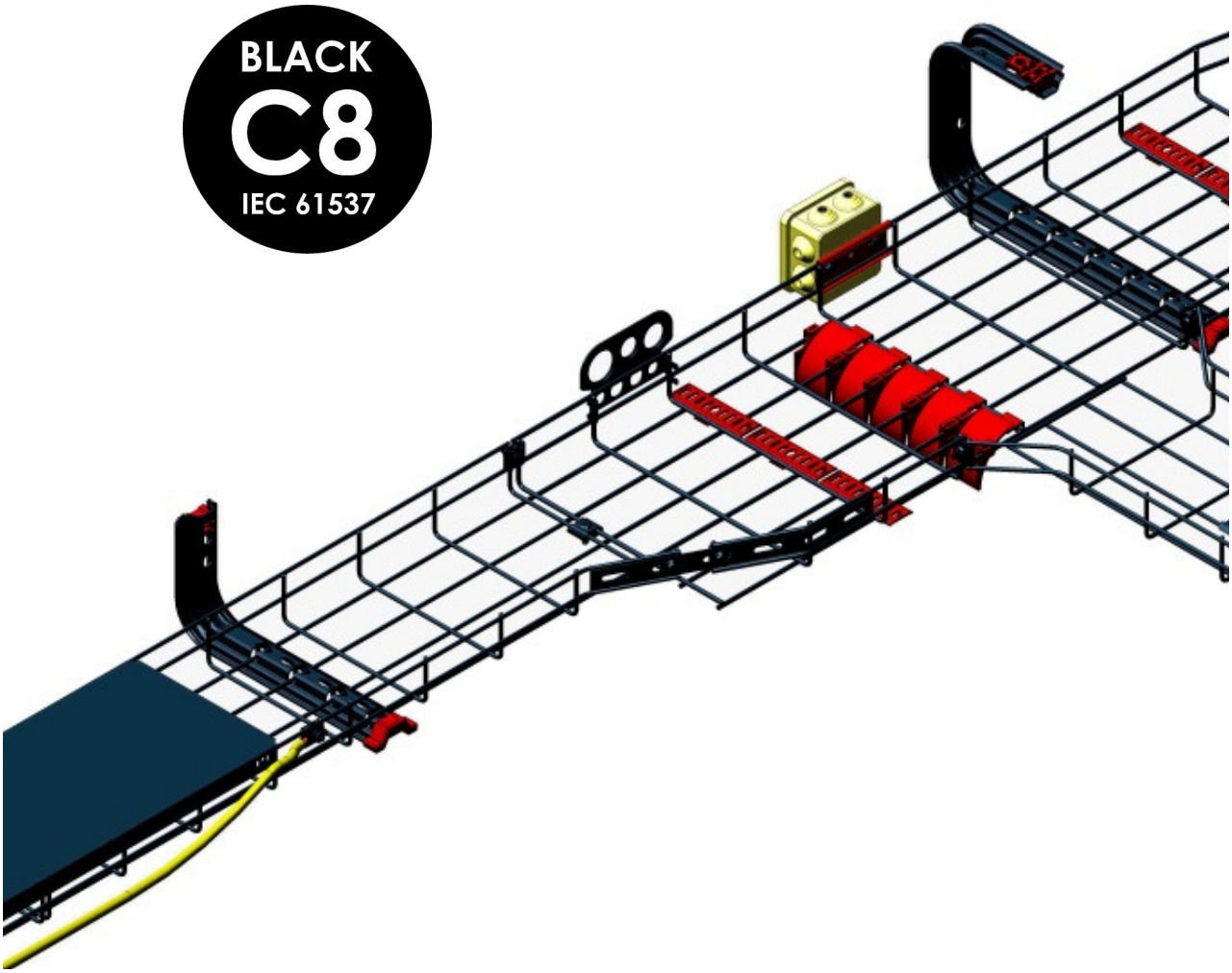
- 7. Full Range of brackets and accessories

rejiband® **BLACK C8** product range includes a complete catalogue of accessories and supports, providing a high corrosion resistance and a better visual aspect to the whole installation.









- 8. Applications



Tunnels.



Photovoltaic.



Industrial.



Data Centers.

pemsa

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