METAL FABRIK

DESIGN + BUILD + FINISHES

MATERIAL TEST REPORT

Finish Name	**WEATHERED BLACK**
Finish Code	**CS-02**
Material	**MILD STEEL**

Application	**Indoor** ☑	**Covered Outdoor** ☐	**Exposed Outdoor** ☐	**Seaside** ☐

TEST	RANGE	RESULT	METHOD
BOND TEST	2 - 3 N/mm2	3.2	Bond strength is a measure of the adhesive strength of a coating to its substrate by adhering a metal dolly to the surface of the test panel to be tested and pulling the dolly away from the surface, perpendicular to the surface by using a pull off apparatus.
SCRATCH RESISTENCE TEST	1300 g - 1500 g	1700 g	Scratch test is conducted to determine the resistance of the coating to penetration by scratching with a scratch stylus loaded with 1800g of load.
SALT SPRAY TEST	200 - 300 hours	300+	Salt spray testing is an accelerated corrosion test that produces a corrosive attack to coated samples in order to evaluate the suitability of the coating when exposed to salt spray for 500 hours.
WEATHER RESISTENCE TEST	200 - 300 hours	300+	UV Resistance is a accelerated weathering test conducted on coating material to determine its ability to withstand the effect of sun light when exposed to radiation for 500 hours.

Protective Coating Thickness	40 - 60 Microns

Conclusion :

Weathered Black finish on **MILD STEEL** is suitable for **Indoor** usage as it has passed all tests and results are within the permissable range.

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P.O.Box: 85814
Al Jazeera Al Hamra
Ras Al Khaimah
U.A.E.
METAL FABRIK FZ-L.L.C.

Disclaimer :

- All tests are conducted at govt. certified laboratory in the UAE on similar finishes / equivalent processes.
- All tests are in compliance with ISO/IEC 17025 : 2007 standards to ensure quality product & testing / calibration services.
- Color Fading - Interior 0-5% in 3years . Covered Exterior 5 - 7% in 2 years. Exposed Exterior 5 - 10% in 2 years. Seaside 5 - 15% in 2 years.

Gallery: #S11 -111, Al Quoz Logistic Park, Al Quoz 2nd, Dubai, U.A.E.

Factory: #A76/A89, Al Jazeera Al Hamra Free Zone, R.A.K, UAE.

Email: contact@metalfabrik.ae

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MATERIAL TEST REPORT

Finish Name	**WEATHERED BLACK**
Finish Code	**CS-02**
Material	**CORTEN STEEL**

Application	**Indoor** ☑	**Covered Outdoor** ☑	**Exposed Outdoor** ☐	**Seaside** ☐

TEST	RANGE	RESULT	METHOD
BOND TEST	2 - 3 N/mm2	3.2	Bond strength is a measure of the adhesive strength of a coating to its substrate by adhering a metal dolly to the surface of the test panel to be tested and pulling the dolly away from the surface, perpendicular to the surface by using a pull off apparatus.
SCRATCH RESISTENCE TEST	1300 g - 1500 g	1700 g	Scratch test is conducted to determine the resistance of the coating to penetration by scratching with a scratch stylus loaded with 1800g of load.
SALT SPRAY TEST	300 - 400 hours	400+	Salt spray testing is an accelerated corrosion test that produces a corrosive attack to coated samples in order to evaluate the suitability of the coating when exposed to salt spray for 500 hours.
WEATHER RESISTENCE TEST	300 - 400 hours	400+	UV Resistance is a accelerated weathering test conducted on coating material to determine its ability to withstand the effect of sun light when exposed to radiation for 500 hours.

Protective Coating Thickness	90+ Microns

Conclusion :

Weathered Black finish on **CORTEN STEEL** is suitable for **Indoor and Covered Outdoor** usage as it has passed all tests and results are within the permissible range.

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