

VLM Chamber Sulphur Dioxide (SO₂) Exposure Testing

Principle:

The sulphur dioxide exposure test is used for testing the corrosion resistance of metallic surfaces and outer protective layer coatings.

Accelerated corrosion atmospheres are induced in the testing chamber using SO₂ gas and natural humid conditions. The VLM chamber is designated to create optimal conditions of temperature and humidity and make provisions for introducing impurities and contaminants thus maximising the corrosive action of sulphur dioxide. Accelerated Salt Spray and humidity testing can also be carried out in the VLM Chamber.

The products are exposed to humid atmospheres containing corrosive SO₂ gas for a specified period. The procedure is recommended for testing coatings of thickness not exceeding approximately 40 µm.

Current model:



Figure: VLM exposure chamber

Video link: <https://www.facebook.com/TrespaInternational/videos/resistance-to-sulphur-dioxide-trespa-quality-videos-2/2918855661679879/>



Instrument Description

Sub Folder: Exposure



Typical samples:

Protective coating samples are tested such as industrial components, electrical items, electronic parts and components, mechanical constructions, automobile, and aircraft parts and components.

Standards:

The samples can be assessed to international standards, e.g. water condensation tests DIN EN ISO 6270-1/2, Kesternich Test DIN EN 6988, salt spray test ISO 9227(NSS, ESS, CASS) and to customers' requirements.

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