

India Tested – Atlas Chennai India Outdoor Weathering Exposure Site

Offering local weathering
testing solutions for India
companies

Opened in 2007, Atlas' Chennai India weathering exposure site provides weathering testing services to companies in key global industries including automotive, architectural, paints and coatings, and plastics.

The Chennai site is ISO 17025 accredited and offers testing services per numerous ASTM and ISO standards, as well as custom designed exposure testing on full vehicle and vehicle components and architectural components and test houses.

The Chennai site is professionally staffed with a full-time weathering engineer who is knowledgeable in conducting weathering studies, exposing various types of materials, and is skilled in performing material assessments and identifying a material's performance over time.

Atlas' Chennai test site is also equipped with a state-of-the-art weather station that records the essential environmental data which is critical in understanding material response upon exposure. Having accurate site weather data is a crucial part of any weathering test program.

Climate and Site data	Chennai	Miami, FL
Latitude	12° 35' North	25° 34' North
Longitude	79° 48' East	80° 28' West
Elevation (above Sea level)	45 m	2 m
Average Max Temperature	34 °C	31 °C
Average Max Relative Humidity	92%	93%
Annual Yearly Rainfall	1963 mm	1548 mm
Annual Total Solar Radiation – 5°	7182 MJ/m	6577 MJ/m



Hierarchy of Automotive Weathering Testing



Exposure configurations offered include

- 5° to 90° South or North facing
- Direct open and plywood backed exposures
- Indirect (behind window glass) open and plywood backed

Material performance assessments offered include

- Instrumental color
- Instrumental gloss
- Visual assessments (color change, blister, peel, crack, chalk, etc...)

Environmental data recorded

- Total solar (5°) MJ/m²
- Total UV in (5°) MJ/m²
- Total rainfall (mm)
- Relative Humidity %
- Ambient temperature °C



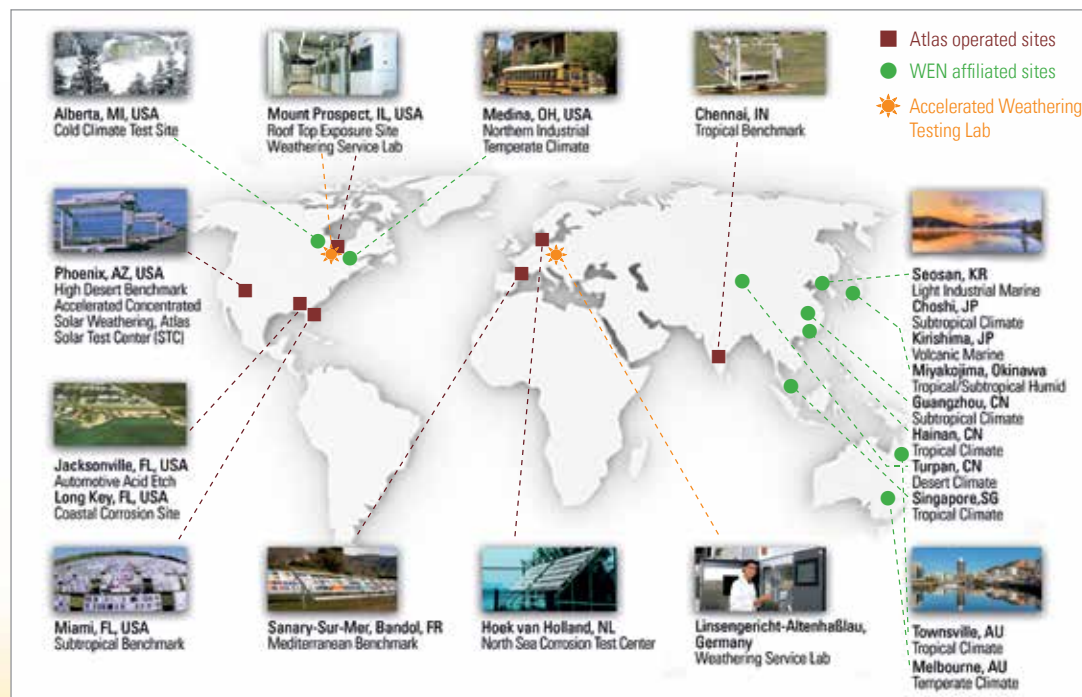
The Chennai site is part of Atlas' Worldwide Exposure Network, which provides India's technical community with access to the complete portfolio of Atlas' products and services including:

- Accelerated testing laboratories to perform light and weather fastness testing
- Industry leading weathering testing instruments
- Multi-faceted training courses and seminars
- Consulting services that offer development of customized test methods as well as optimization of weathering processes

Atlas' array of product and service offerings help companies reach their goals of a quality product, a faster time to market, and a competitive edge.



Atlas' Worlwide Exposure Network (WEN)



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