

English Version and Revised Edition of the ADMER

The ADMER is a model for predicting wide area atmospheric concentration distribution and exposed population distribution of chemical substances. In a year since its first publication of ADMER Ver. 1.0, for the nation-wide coverage, the software has been utilized already by 1,000 or more clients. It is one of the most popular software of this kind in Japan. An English Version and a Revised Edition of ADMER have been developed. The software and user manual will be provided free of charge from January 6, 2005.

http://www.riskcenter.jp/ADMER/en/index_e.html

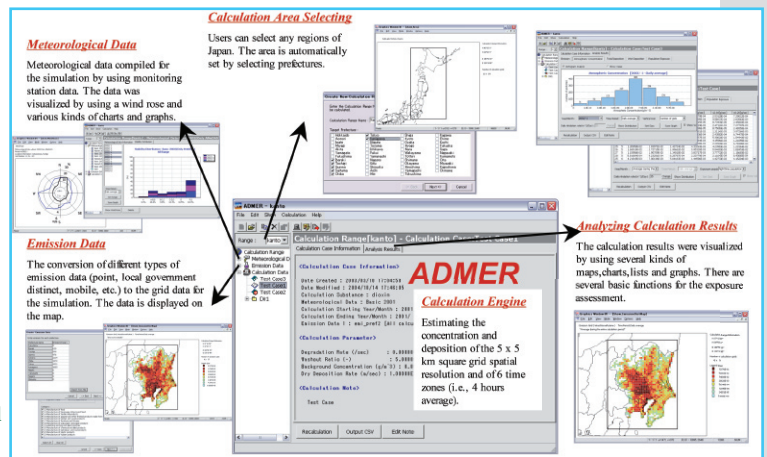


Figure: The capture of the user interface and major functions in the ADMER ver.1.5e .

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Energy-saving Effect by Applying Solar Reflective Paint to Automobiles

Solar reflective paint (SRP) is considered as one of the most effective technologies to reduce energy consumption for cooling of buildings and is expected to mitigate heat island effect in urban areas. We applied SRP to automobile bodies and measured fuel consumptions for automobile air conditioning systems. Our preliminary measurements showed that a rise of body reflectivity by 67.3% reduces the fuel consumption for cooling by half. Because the application of SRP was demonstrated to raise the surface solar reflectivity by 5-40 percents, it is well expected to contribute to improving vehicle fuel efficiency.

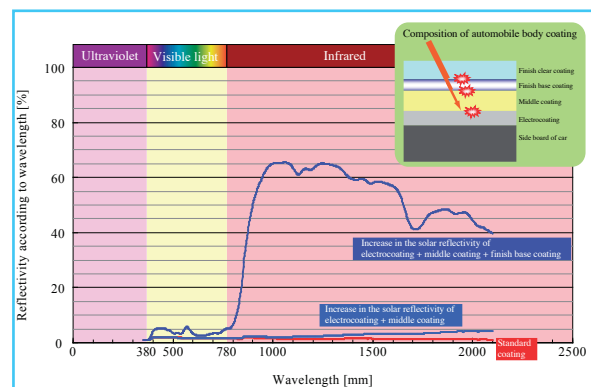


Fig 1: Increase in the solar reflectivity of an automobile body coating (Black #209).



Fig 2: Comparison of the surface temperature by the model cars.

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