

Certificate of Validation

by
Carbon Neutral Repair
of
'Sikkens CO2e Repair Calculator US v1.1'
for
Akzo Nobel Car Refinishes BV

Carbon Neutral Repair has validated the energy & VOC CO2e emission calculations generated during a controlled '2-panel repair' using approved Sikkens products in a STL Cyclone II spray booth to GHG Protocol greenhouse gas accounting standards.

The Energy & VOC CO2e emissions were calculated across four different Sikkens approved repair processes:-
Conventional, Ambient, Infra-Red & UV

Carbon Neutral Repair has validated the Electricity Conversion Factors (ECF) for the United States & fifty US States to include Generation, Transmission & Distribution (T&D), WTT Generation & WTT Distribution (Well To Tank) :-

Alaska, Alabama, Arkansas, Arizona, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Iowa, Idaho, Illinois, Indiana, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Maine, Michigan, Missouri, Mississippi, Montana, North Carolina, North Dakota, Nebraska, New Hampshire, New Jersey, New Mexico, Nevada, New York, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Vermont, Washington, Wisconsin, West Virginia, Wyoming.

Conversion Factors have been validated with CO2 emissions published by EPA EGrid 2023, The International Energy Agency (IEA) 2023, UK Government BEIS 2023

Carbon Neutral Repair has validated the conversion of Natural gas from cubic meters (m3) to kilowatt Hours (kWh).



Dominic Napier

Managing Director, Carbon Neutral Repair

16th October 2023

