

Painting Guide - Humidity and Dew Point Conditions

General The atmospheric conditions which prevail during the application of an organic coating should be such that the surface being coated is completely free of moisture. To be sure that no condensation occurs on the surface, the temperature of the surface being coated should be above the dew point for the prevailing atmospheric conditions. An easy to read graph is provided elsewhere to assist.

Temperature & Dew Point In accordance with good painting practice, no organic coating should be applied if the temperature is below 5° c or the relative humidity is above 85%. In addition, the temperature of the substrate being coated should be at least 3°c above the dew point.

Accompanying Graph From the accompanying graph, the difference between ambient air temperature and steel temperature for the observed relative humidity should indicate a point below the painting guideline to satisfy the above conditions. If the point is above the painting guideline, the steel temperature should be allowed to rise and measurements repeated until the point falls below the painting guideline. The graph is valid for the following temperature: Steel and air temperature 5-32 °c
Relative humidity 20% - 90%

