Construction

Measuring instruments for substrate humidity

Measuring of the substrate moisture:
Moisture content < 4% by weight
e.g. Sika Tramex moisture meter

Sika®

Sika Services AG

Construction

Measuring instruments for substrate humidity

Sika Services AG

Construction

Measuring instruments for substrate humidity

Sika Services AG

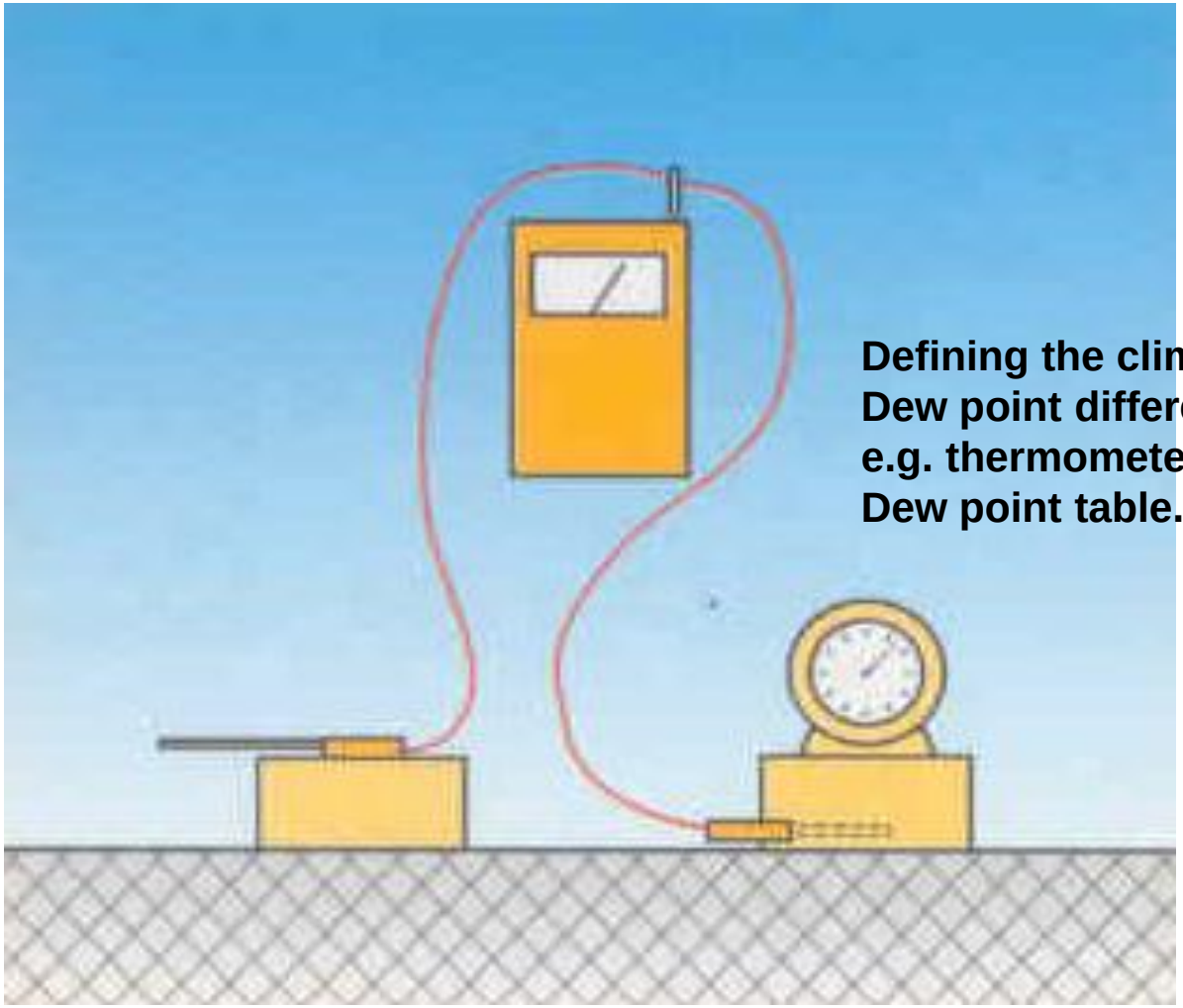
Construction

Temperature and Moisture

Sika Services AG

Construction

Measuring instruments for temperatures and air humidity



Defining the climatic conditions:
Dew point difference > 3°C
e.g. thermometer, hygrometer,
Dew point table.

Sika Services AG

Construction

Dew point table

Table for the determination of the dew point

Air tempereture	Dew point temperatures in °C at a relative air moisture of					
+ °C	40 %	50 %	60 %	70 %	80 %	90 %
20	6,0	9,3	12,0	14,4	16,4	18,3
19	5,1	8,3	11,1	13,4	15,5	17,3
18	4,2	7,4	10,1	12,5	14,5	16,3
17	3,3	6,5	9,2	11,5	13,5	15,3
16	2,4	5,6	8,2	10,5	12,6	14,4
15	1,5	4,7	7,3	9,6	11,6	13,4
14	0,6	3,7	6,4	8,6	10,6	12,4
13	- 0,1	2,8	5,5	7,7	9,6	11,4
12	- 1,0	1,9	4,5	6,7	8,7	10,4
11	- 1,8	1,0	3,5	5,8	7,7	9,4
10	- 2,6	0,1	2,6	4,8	6,7	8,4
9	- 3,4	- 1,0	1,6	3,8	5,8	7,5
						6,5
						5,5
						4,5
						3,5

Example:

at +10°C air temperature and 80 % relative air moisture is the dew point at substrate temperatures of + 6,7°C.

At substrate temperatures of less then 6,7 + 3,0 = 9,7°C, it is not possible to apply coating systems.

Sika®

Sika Services AG

Construction

Measuring instruments for temperatures and air humidity

Combination of a ***Hygrometer*** and ***Thermometer*** with mit integrated dew point table.

Sika Services AG

Construction

Measuring instruments for temperatures and air humidity

„Hygrothermograph“

Writes as well

* *Temperaturs*

as

* *relative air moisture*

Sika Services AG

Construction

Measuring instruments for temperatures and air humidity

„Hygrothermometer“

To measure:

- relative air moisture,
- air temperature
- temperature of the substrate

Sika®

Sika Services AG