



# Basa Polymer

## Seamless Quality

**Table of the dew point**

| Air Temp. | The dew point of the air in ° C as a function of the relative humidity of (see below) |       |       |       |       |       |       |       |       |       |       |
|-----------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| °C        | 45%   | 50%   | 55%   | 60%   | 65%   | 70%   | 75%   | 80%   | 85%   | 90%   | 95%   |
| 2°C       | -7.77   | -6.56 | -5.43 | -4.40 | -3.16 | -2.48 | -1.77 | -0.98 | -0.26 | 0.47  | 1.20  |
| 4°C       | -6.11   | -4.88 | -3.69 | -2.61 | -1.79 | -0.88 | -0.09 | 0.78  | 1.62  | 2.44  | 3.20  |
| 6°C       | -4.49   | -3.07 | -2.10 | -1.05 | -0.08 | 0.85  | 1.86  | 2.72  | 3.62  | 4.48  | 5.38  |
| 8°C       | -2.69   | -1.61 | -0.44 | 0.67  | 1.80  | 2.83  | 3.82  | 4.77  | 5.66  | 6.48  | 7.32  |
| 10°C      | -1.26   | 0.02  | 1.31  | 2.53  | 3.74  | 4.79  | 5.82  | 6.79  | 7.65  | 8.45  | 9.31  |
| 12°C      | 0.35  | 1.84  | 3.19  | 4.46  | 5.63  | 6.74  | 7.75  | 8.69  | 9.60  | 10.48 | 11.33 |
| 14°C      | 2.20  | 3.76  | 5.10  | 6.40  | 7.58  | 8.67  | 9.70  | 10.71 | 11.64 | 12.55 | 13.36 |
| 15°C      | 3.12  | 4.65  | 6.07  | 7.36  | 8.52  | 9.63  | 10.70 | 11.69 | 12.62 | 13.52 | 14.42 |
| 16°C      | 4.07  | 5.59  | 6.98  | 8.29  | 9.47  | 10.61 | 11.68 | 12.66 | 13.63 | 14.58 | 15.54 |
| 17°C      | 5.00  | 6.48  | 7.92  | 9.18  | 10.39 | 11.48 | 12.54 | 13.57 | 14.50 | 15.36 | 16.19 |
| 18°C      | 5.90  | 7.43  | 8.83  | 10.12 | 11.33 | 12.44 | 13.48 | 14.56 | 15.41 | 16.31 | 17.25 |
| 19°C      | 6.80  | 8.33  | 9.75  | 11.09 | 12.26 | 13.37 | 14.49 | 15.47 | 16.40 | 17.37 | 18.22 |
| 20°C      | 7.73  | 9.30  | 10.72 | 12.00 | 13.22 | 14.40 | 15.48 | 16.46 | 17.44 | 18.36 | 19.18 |
| 21°C      | 8.60  | 10.22 | 11.59 | 12.92 | 14.21 | 15.36 | 16.40 | 17.44 | 18.41 | 19.27 | 20.19 |
| 22°C      | 9.54  | 11.16 | 12.52 | 13.89 | 15.19 | 16.27 | 17.41 | 18.42 | 19.39 | 20.28 | 21.22 |
| 23°C      | 10.44   | 12.02 | 13.47 | 14.87 | 16.04 | 17.29 | 18.37 | 19.37 | 20.37 | 21.34 | 22.23 |
| 24°C      | 11.34   | 12.93 | 14.44 | 15.73 | 17.06 | 18.21 | 19.22 | 20.33 | 21.37 | 22.32 | 23.18 |
| 25°C      | 12.20   | 13.83 | 15.37 | 16.69 | 17.99 | 19.11 | 20.24 | 21.35 | 22.27 | 23.30 | 24.22 |
| 26°C      | 13.15   | 14.84 | 16.26 | 17.67 | 18.90 | 20.09 | 21.29 | 22.32 | 23.32 | 24.31 | 25.16 |
| 27°C      | 14.08   | 15.68 | 17.24 | 18.57 | 19.83 | 21.11 | 22.23 | 23.31 | 24.32 | 25.22 | 26.10 |
| 28°C      | 14.96   | 16.61 | 18.14 | 19.38 | 20.86 | 22.07 | 23.18 | 24.28 | 25.25 | 26.20 | 27.18 |
| 29°C      | 15.85   | 17.58 | 19.04 | 20.48 | 21.83 | 22.97 | 24.20 | 25.23 | 26.21 | 27.26 | 28.18 |
| 30°C      | 16.79   | 18.44 | 19.96 | 21.44 | 23.71 | 23.94 | 25.11 | 26.10 | 27.21 | 28.19 | 29.09 |
| 32°C      | 18.62   | 20.28 | 21.90 | 23.26 | 24.65 | 25.79 | 27.08 | 28.24 | 29.23 | 30.16 | 31.17 |
| 34°C      | 20.42   | 22.19 | 23.77 | 25.19 | 26.54 | 27.85 | 28.94 | 30.09 | 31.19 | 32.13 | 33.11 |
| 36°C      | 22.23   | 24.08 | 25.50 | 27.00 | 28.41 | 29.65 | 30.88 | 31.97 | 33.05 | 34.23 | 35.06 |
| 38°C      | 23.97   | 25.74 | 27.44 | 28.87 | 30.31 | 31.62 | 32.78 | 33.96 | 35.01 | 36.05 | 37.03 |
| 40°C      | 25.79   | 27.66 | 29.22 | 30.81 | 32.16 | 33.48 | 34.69 | 35.86 | 36.98 | 38.05 | 39.11 |
| 45°C      | 30.29   | 32.17 | 33.86 | 35.38 | 36.85 | 38.24 | 39.54 | 40.74 | 41.87 | 42.97 | 44.03 |
| 50°C      | 34.76   | 36.63 | 38.46 | 40.09 | 41.58 | 42.99 | 44.33 | 45.55 | 46.75 | 47.90 | 48.98 |

**Dew point = Temperature at which condensation occurs**

Condensation is created as a function of relative humidity and air temperature.

Example: For an air temperature of +20 ° C and relative humidity of 55%, the dew point will be created at +10.7 ° C. If the wall surface temperature is lower than 13.7 ° C (10.7 ° C + 3 ° C safety factor) we recommend that you apply Superwand insulation panels.