

Nansulate® Temperature Gradient Chart

Temperatures are shown in Fahrenheit

| Dry Film Thickness | No. of Coats | Initial Surface Temp. F | Temperature After Coated/Cured | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|-------------------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 392 | 374 | 356 | 338 | 320 | 302 | 284 | 266 | 248 | 230 | 212 | 203 | 194 | 185 | 176 | 167 | 158 | 149 | 140 | 131 | 122 | 113 |
| 2 mils | 1 | | 360 | 343 | 327 | 311 | 295 | 279 | 262 | 246 | 230 | 214 | 198 | 190 | 181 | 174 | 165 | 158 | 149 | 142 | 133 | 126 | 117 | 109 |
| 4 mils | 2 | | 331 | 316 | 302 | 288 | 271 | 257 | 243 | 228 | 214 | 199 | 185 | 178 | 171 | 163 | 156 | 149 | 142 | 133 | 126 | 118 | 111 | 104 |
| 6 mils | 3 | | 304 | 291 | 279 | 264 | 252 | 239 | 225 | 212 | 199 | 187 | 172 | 167 | 160 | 153 | 147 | 140 | 133 | 127 | 120 | 115 | 108 | 100 |
| 8 mils | 4 | | 280 | 270 | 257 | 244 | 234 | 221 | 210 | 198 | 187 | 174 | 162 | 156 | 151 | 145 | 138 | 133 | 127 | 122 | 115 | 109 | 104 | 97 |
| 10 mils | 5 | | 259 | 248 | 237 | 228 | 217 | 207 | 196 | 185 | 174 | 163 | 153 | 147 | 142 | 137 | 131 | 126 | 122 | 117 | 111 | 106 | 100 | 95 |
| 12 mils | 6 | | 241 | 230 | 221 | 212 | 201 | 192 | 183 | 172 | 163 | 154 | 145 | 140 | 135 | 131 | 126 | 120 | 117 | 111 | 106 | 102 | 97 | 91 |
| 14 mils | 7 | | 223 | 214 | 207 | 198 | 189 | 180 | 171 | 163 | 154 | 145 | 137 | 133 | 127 | 124 | 120 | 115 | 111 | 108 | 102 | 99 | 93 | 90 |
| 16 mils | 8 | | 207 | 199 | 192 | 185 | 176 | 169 | 162 | 153 | 145 | 138 | 129 | 126 | 122 | 118 | 115 | 111 | 108 | 102 | 99 | 95 | 91 | 88 |
| 18 mils | 9 | | 194 | 187 | 180 | 172 | 165 | 158 | 151 | 145 | 138 | 131 | 124 | 120 | 117 | 113 | 109 | 106 | 102 | 99 | 95 | 93 | 90 | 86 |
| 20 mils | 10 | | 181 | 174 | 169 | 162 | 156 | 149 | 144 | 137 | 131 | 124 | 118 | 115 | 111 | 109 | 106 | 102 | 99 | 97 | 93 | 90 | 86 | |
| 22 mils | 11 | | 169 | 163 | 158 | 153 | 147 | 142 | 137 | 131 | 124 | 118 | 113 | 111 | 108 | 104 | 102 | 99 | 97 | 93 | 91 | 88 | | |
| 24 mils | 12 | | 160 | 154 | 149 | 144 | 140 | 135 | 129 | 124 | 118 | 113 | 109 | 106 | 104 | 100 | 99 | 97 | 93 | 91 | 88 | 86 | | |
| 26 mils | 13 | | 151 | 145 | 142 | 137 | 133 | 127 | 124 | 118 | 113 | 109 | 104 | 102 | 100 | 99 | 95 | 93 | 91 | 88 | 86 | | | |
| 28 mils | 14 | | 142 | 138 | 135 | 129 | 126 | 122 | 117 | 113 | 109 | 106 | 100 | 99 | 97 | 95 | 93 | 91 | 88 | 86 | | | | |
| 30 mils | 15 | | 135 | 131 | 127 | 124 | 120 | 117 | 113 | 109 | 106 | 102 | 97 | 95 | 93 | 91 | 90 | 88 | 86 | | | | | |
| 32 mils | 16 | | 127 | 126 | 122 | 118 | 115 | 111 | 108 | 104 | 102 | 99 | 95 | 93 | 91 | 90 | 88 | 86 | | | | | | |
| 34 mils | 17 | | 122 | 118 | 117 | 113 | 109 | 108 | 104 | 100 | 99 | 95 | 91 | 91 | 90 | 88 | 86 | | | | | | | |
| 36 mils | 18 | | 117 | 115 | 111 | 109 | 106 | 104 | 100 | 99 | 95 | 93 | 90 | 88 | 88 | 86 | | | | | | | | |
| 38 mils | 19 | | 111 | 109 | 108 | 104 | 102 | 100 | 97 | 95 | 93 | 90 | 88 | 86 | | | | | | | | | | |
| 40 mils | 20 | | 108 | 106 | 102 | 100 | 99 | 97 | 95 | 91 | 90 | 88 | 86 | | | | | | | | | | | |
| 42 mils | 21 | | 104 | 102 | 100 | 97 | 95 | 93 | 91 | 90 | 88 | 86 | | | | | | | | | | | | |
| 44 mils | 22 | | 100 | 99 | 97 | 95 | 93 | 91 | 90 | 88 | 86 | | | | | | | | | | | | | |
| 46 mils | 23 | | 97 | 95 | 93 | 91 | 90 | 90 | 88 | 86 | | | | | | | | | | | | | | |
| 48 mils | 24 | | 93 | 93 | 91 | 90 | 88 | 86 | 86 | | | | | | | | | | | | | | | |
| 50 mils | 25 | | 91 | 90 | 88 | 88 | 86 | | | | | | | | | | | | | | | | | |
| 52 mils | 26 | | 90 | 88 | 86 | 86 | | | | | | | | | | | | | | | | | | |
| 54 mils | 27 | | 86 | 86 | | | | | | | | | | | | | | | | | | | | |

Grey shaded areas denotes the typical OSHA safe touch range of 140F and below.

Nansulate® Translucent insulation coatings will dry to approximately 50% of the applied wet film thickness. Each coat should be applied at 4 mils wet film thickness (WFT) and will dry to 2 mils in dry film thickness (DFT). Use a WFT or DFT gauge to measure your film thickness. See Nansulate® Application Handbook for further details. Number of coats is approximate - make sure that you measure to ensure appropriate film thickness for your application. DFT in microns can be found on the Celsius version of this Temperature Gradient Chart. Temperatures reflect FULLY CURED applications. Cure time is typically 30-90 days, depending upon overall thickness and environmental variables.

This chart can be used with the following products: Nansulate® Translucent High Heat, Nansulate® Translucent PT, Nansulate® Translucent GP, Nansulate® Solar, NanoBoost™. The following products have similar thermal abilities, but are not typically used in hot surface applications: Nansulate® HomeProtect, Nansulate® Crystal, Nansulate® LDx, Nansulate® Bee Protect. NOTE: The information on this sheet is deemed to be accurate however is not guaranteed. No warranty, express or implied is given regarding the accuracy of this information. Each application is unique and findings may be different due to environmental conditions. For questions, contact: Industrial Nanotech, Inc., 800-767-3998 or +1 239-254-0346, www.nansulate.com.