

Voorzetramen 4mm floatglas, glas wordt met rubber geplaatst.

| mm | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 400 | 68.04 | 71.08 | 74.02 | 77.07 | 80.02 | 83.06 | 86.00 | 88.94 | 91.99 | 94.92 | 97.87 | 100.80 | 120.96 | 124.01 | 127.06 | 129.79 | 132.74 |
| 500 | 71.08 | 74.13 | 77.27 | 80.54 | 83.79 | 86.95 | 90.10 | 93.24 | 96.39 | 99.55 | 102.70 | 105.84 | 126.22 | 129.36 | 132.51 | 135.46 | 138.59 |
| 600 | 74.02 | 77.27 | 80.73 | 84.10 | 87.46 | 90.84 | 94.18 | 97.44 | 100.80 | 104.16 | 107.52 | 110.88 | 131.36 | 134.72 | 137.98 | 141.11 | 144.46 |
| 700 | 73.99 | 80.42 | 83.98 | 87.68 | 91.15 | 94.71 | 98.18 | 101.74 | 105.22 | 108.79 | 112.35 | 115.82 | 136.51 | 140.07 | 143.54 | 146.88 | 150.34 |
| 800 | 79.89 | 83.67 | 87.33 | 91.15 | 94.82 | 98.50 | 102.27 | 105.97 | 109.73 | 113.40 | 117.08 | 102.86 | 141.65 | 145.32 | 149.00 | 152.54 | 156.21 |
| 900 | 82.93 | 86.80 | 90.69 | 94.71 | 98.50 | 102.38 | 106.27 | 110.26 | 114.14 | 118.03 | 121.92 | 125.79 | 146.79 | 150.68 | 154.56 | 158.20 | 162.08 |
| 1000 | 85.86 | 89.95 | 94.04 | 98.18 | 102.27 | 106.27 | 110.47 | 114.46 | 118.54 | 122.64 | 126.74 | 130.73 | 151.94 | 156.03 | 160.13 | 167.03 | 167.95 |
| 1100 | 88.80 | 93.10 | 97.29 | 101.76 | 105.96 | 110.26 | 114.46 | 122.86 | 127.16 | 131.36 | 135.56 | 139.77 | 161.28 | 165.48 | 169.80 | 173.72 | 178.02 |
| 1200 | 91.84 | 96.25 | 100.65 | 105.22 | 109.73 | 114.14 | 118.54 | 127.16 | 131.57 | 135.98 | 140.38 | 144.80 | 166.44 | 170.84 | 189.33 | 179.37 | 183.89 |
| 1300 | 94.78 | 99.39 | 104.01 | 108.79 | 113.40 | 118.03 | 122.64 | 131.36 | 135.98 | 140.60 | 145.22 | 149.84 | 171.58 | 176.20 | 180.72 | 185.04 | 189.65 |
| 1400 | 97.71 | 102.53 | 107.36 | 112.35 | 117.08 | 121.92 | 126.74 | 135.56 | 140.38 | 145.22 | 154.04 | 158.86 | 180.82 | 185.64 | 190.37 | 194.90 | 199.71 |
| 1500 | 100.65 | 105.68 | 110.72 | 115.82 | 120.86 | 125.80 | 130.73 | 139.77 | 144.80 | 149.84 | 158.86 | 163.90 | 186.07 | 191.00 | 195.94 | 200.65 | 205.58 |
| 1600 | 120.77 | 126.02 | 131.16 | 136.51 | 141.65 | 146.80 | 151.94 | 161.28 | 166.44 | 171.58 | 180.82 | 186.07 | 191.31 | 196.56 | 201.82 | 206.73 | 211.98 |
| 1700 | 123.82 | 129.16 | 134.50 | 140.07 | 145.32 | 150.68 | 156.03 | 165.48 | 170.84 | 176.19 | 185.65 | 191.00 | 196.56 | 202.13 | 207.70 | 212.93 | 218.48 |
| 1800 | 126.86 | 132.31 | 141.34 | 143.54 | 149.00 | 154.56 | 160.13 | 169.80 | 175.25 | 180.70 | 190.37 | 195.94 | 201.81 | 207.70 | 213.58 | 219.11 | 224.98 |
| 1900 | 129.79 | 135.46 | 141.34 | 147.10 | 152.77 | 158.45 | 164.12 | 173.98 | 179.66 | 185.33 | 195.20 | 200.98 | 207.07 | 213.26 | 219.46 | 225.29 | 231.47 |
| 2000 | 132.72 | 138.59 | 144.70 | 150.57 | 156.46 | 162.34 | 168.22 | 178.30 | 184.18 | 189.94 | 200.02 | 205.90 | 212.31 | 218.83 | 225.34 | 231.47 | 237.98 |
| 2100 | 144.57 | 150.66 | 156.98 | 162.96 | 169.16 | 175.15 | 181.23 | 191.42 | 197.50 | 203.50 | 213.79 | 219.77 | 217.56 | 224.38 | 231.22 | 237.67 | 244.48 |
| 2200 | 147.61 | 153.80 | 160.23 | 166.54 | 172.83 | 179.02 | 185.33 | 195.72 | 201.82 | 208.11 | 218.50 | 224.71 | 222.82 | 229.97 | 237.10 | 243.85 | 250.97 |
| 2300 | 150.66 | 156.94 | 163.49 | 170.11 | 176.52 | 182.92 | 189.43 | 200.04 | 206.12 | 212.74 | 223.23 | 229.64 | 228.07 | 235.52 | 242.98 | 250.03 | 257.48 |
| 2400 | 153.69 | 160.09 | 166.75 | 173.67 | 180.19 | 186.80 | 193.52 | 182.44 | 210.43 | 217.35 | 227.96 | 234.58 | 233.32 | 241.08 | 248.86 | 256.22 | 263.98 |
| 2500 | 156.74 | 163.23 | 170.00 | 177.24 | 183.86 | 190.68 | 197.62 | 186.28 | 214.73 | 221.97 | 232.68 | 239.50 | 213.00 | 246.65 | 254.74 | 262.40 | 270.47 |
| 2600 | 159.77 | 165.85 | 173.26 | 180.82 | 187.54 | 194.57 | 180.09 | 182.52 | 219.03 | 226.59 | 237.41 | 244.44 | 238.56 | 252.22 | 260.62 | 268.59 | 276.98 |
| 2700 | 162.81 | 169.53 | 176.52 | 184.39 | 191.21 | 198.46 | 201.70 | 193.97 | 223.34 | 231.22 | 242.14 | 249.38 | 249.07 | 257.78 | 266.50 | 274.77 | 283.48 |
| 2800 | 165.85 | 172.66 | 179.76 | 187.95 | 194.88 | 202.34 | 209.90 | 189.90 | 227.64 | 235.83 | 246.86 | 254.31 | 227.06 | 263.35 | 272.38 | 280.96 | 289.97 |
| 2900 | 168.89 | 175.81 | 183.02 | 191.54 | 198.56 | 206.23 | 213.99 | 197.82 | 231.94 | 240.46 | 251.59 | 259.25 | 254.31 | 268.90 | 278.26 | 287.14 | 296.47 |
| 3000 | 171.94 | 178.96 | 186.27 | 195.10 | 202.23 | 210.10 | 218.09 | 205.50 | 236.26 | 245.07 | 256.30 | 264.19 | 264.82 | 274.47 | 284.14 | 293.33 | 302.98 |

Voorzetramen 6mm floatglas, glas wordt ingekit.

| | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 400 | 85.05 | 88.85 | 92.53 | 96.19 | 99.86 | 103.55 | 107.33 | 110.99 | 114.79 | 118.46 | 122.12 | 125.80 | 150.95 | 154.75 | 158.57 | 162.23 | 165.91 |
| 500 | 88.85 | 92.65 | 96.58 | 100.51 | 104.58 | 108.51 | 112.44 | 116.37 | 120.30 | 124.23 | 128.16 | 132.09 | 157.52 | 161.44 | 165.38 | 169.30 | 173.24 |
| 600 | 92.53 | 96.58 | 100.92 | 104.96 | 109.16 | 113.35 | 117.55 | 121.61 | 125.80 | 129.99 | 134.19 | 138.38 | 163.93 | 168.12 | 172.19 | 176.39 | 180.58 |
| 700 | 96.19 | 100.51 | 104.96 | 109.43 | 113.75 | 118.21 | 122.53 | 126.97 | 131.31 | 135.76 | 140.22 | 144.54 | 170.35 | 174.81 | 179.13 | 183.58 | 187.91 |
| 800 | 99.86 | 104.58 | 109.16 | 113.75 | 118.33 | 122.92 | 127.64 | 132.22 | 136.93 | 141.52 | 146.12 | 150.83 | 176.77 | 181.36 | 185.95 | 190.67 | 195.26 |
| 900 | 103.66 | 108.51 | 113.35 | 118.21 | 122.92 | 127.77 | 132.61 | 137.60 | 142.44 | 147.29 | 152.15 | 156.99 | 183.20 | 188.05 | 192.89 | 197.74 | 202.60 |
| 1000 | 107.33 | 112.44 | 117.55 | 122.53 | 127.64 | 132.61 | 137.85 | 142.84 | 147.94 | 153.06 | 158.17 | 163.14 | 189.62 | 194.73 | 199.83 | 204.81 | 209.93 |
| 1100 | 111.00 | 116.37 | 121.61 | 126.98 | 132.22 | 137.61 | 142.85 | 153.33 | 158.69 | 163.93 | 169.18 | 174.42 | 201.28 | 206.52 | 211.89 | 217.13 | 222.51 |
| 1200 | 114.79 | 120.30 | 125.80 | 131.31 | 136.94 | 142.45 | 147.94 | 158.69 | 164.19 | 169.70 | 175.20 | 180.71 | 207.69 | 213.20 | 218.70 | 224.21 | 229.85 |
| 1300 | 118.47 | 124.23 | 129.99 | 135.76 | 141.53 | 147.30 | 153.06 | 163.93 | 169.70 | 175.47 | 181.23 | 187.00 | 214.12 | 219.89 | 225.51 | 231.28 | 237.05 |
| 1400 | 122.13 | 128.17 | 134.19 | 140.23 | 146.12 | 152.13 | 158.17 | 169.18 | 175.20 | 181.23 | 192.24 | 198.26 | 225.66 | 231.68 | 231.68 | 243.61 | 249.63 |
| 1500 | 125.80 | 132.10 | 138.38 | 144.54 | 150.83 | 156.99 | 163.14 | 174.42 | 180.71 | 187.00 | 198.26 | 204.55 | 232.20 | 238.37 | 238.37 | 250.81 | 256.96 |
| 1600 | 150.96 | 157.52 | 163.94 | 170.36 | 176.77 | 183.20 | 189.62 | 201.28 | 207.69 | 214.12 | 225.66 | 232.20 | 238.76 | 245.30 | 245.30 | 258.41 | 264.97 |
| 1700 | 154.75 | 161.44 | 168.13 | 174.81 | 181.37 | 188.05 | 194.74 | 206.52 | 213.20 | 219.89 | 231.68 | 238.37 | 245.30 | 252.25 | 252.25 | 266.15 | 273.09 |
| 1800 | 158.57 | 165.38 | 172.19 | 179.14 | 185.96 | 192.89 | 199.83 | 211.89 | 218.70 | 225.51 | 237.57 | 244.53 | 251.87 | 259.20 | 259.20 | 273.88 | 281.22 |
| 1900 | 162.24 | 169.30 | 176.39 | 183.58 | 190.67 | 197.74 | 204.82 | 217.13 | 224.21 | 231.28 | 244.73 | 250.81 | 258.41 | 266.15 | 266.15 | 281.60 | 289.34 |
| 2000 | 165.91 | 173.25 | 180.58 | 187.92 | 195.26 | 202.60 | 209.94 | 222.51 | 229.85 | 237.05 | 249.63 | 256.96 | 264.97 | 273.09 | 273.09 | 289.34 | 297.47 |
| 2100 | 180.72 | 188.31 | 195.91 | 203.37 | 211.11 | 218.58 | 226.19 | 238.88 | 246.48 | 253.96 | 266.80 | 274.27 | 271.51 | 280.03 | 288.56 | 297.07 | 305.58 |
| 2200 | 184.51 | 192.24 | 199.98 | 207.84 | 215.70 | 223.42 | 231.28 | 244.26 | 251.87 | 259.73 | 272.69 | 280.43 | 278.07 | 286.99 | 286.99 | 304.81 | 313.71 |
| 2300 | 188.31 | 196.17 | 204.03 | 212.29 | 220.27 | 228.28 | 236.40 | 249.63 | 257.23 | 265.50 | 278.60 | 286.59 | 284.61 | 293.71 | 303.23 | 312.52 | 321.83 |
| 2400 | 192.12 | 200.10 | 208.10 | 216.75 | 224.87 | 233.13 | 241.51 | 255.01 | 262.61 | 271.26 | 284.49 | 292.75 | 291.18 | 300.87 | 310.58 | 320.26 | 329.96 |
| 2500 | 195.91 | 204.03 | 212.17 | 221.20 | 229.46 | 237.97 | 246.63 | 260.38 | 267.97 | 277.02 | 290.38 | 298.89 | 297.72 | 307.81 | 317.91 | 327.99 | 338.08 |
| 2600 | 199.71 | 207.97 | 216.23 | 225.66 | 234.05 | 242.82 | 251.72 | 265.75 | 273.36 | 273.36 | 296.27 | 305.07 | 304.28 | 314.76 | 325.25 | 335.73 | 346.21 |
| 2700 | 203.51 | 211.90 | 220.27 | 230.11 | 238.62 | 247.68 | 256.84 | 377.12 | 278.72 | 278.72 | 302.19 | 311.23 | 310.82 | 321.71 | 332.58 | 343.45 | 354.33 |
| 2800 | 207.32 | 215.83 | 224.34 | 234.58 | 243.21 | 252.52 | 261.96 | 276.51 | 284.10 | 284.10 | 308.08 | 317.39 | 317.39 | 328.65 | 339.92 | 351.19 | 362.47 |
| 2900 | 211.11 | 219.76 | 228.41 | 239.03 | 247.80 | 257.37 | 267.07 | 281.87 | 289.46 | 289.46 | 313.97 | 323.53 | 323.93 | 335.59 | 347.27 | 358.93 | 370.59 |
| 3000 | 214.91 | 223.69 | 232.47 | 243.48 | 252.40 | 262.21 | 272.18 | 287.24 | 294.85 | 294.85 | 320.20 | 329.69 | 330.49 | 342.54 | 354.60 | 366.65 | 378.72 |

Voorzetramen 33/1 gelaagd glas, glas wordt ingekit.

| | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 400 | 102.05 | 106.61 | 111.01 | 115.42 | 119.83 | 124.39 | 128.79 | 133.19 | 137.75 | 142.15 | 146.55 | 150.95 | 181.15 | 185.72 | 190.27 | 194.68 | 199.08 |
| 500 | 106.61 | 111.18 | 115.90 | 120.61 | 125.48 | 130.20 | 134.92 | 139.64 | 144.36 | 149.07 | 153.79 | 158.50 | 189.01 | 193.73 | 198.44 | 203.17 | 207.88 |
| 600 | 111.01 | 115.90 | 121.08 | 125.97 | 131.00 | 136.02 | 141.05 | 145.92 | 150.95 | 155.99 | 161.02 | 166.05 | 196.73 | 201.76 | 206.63 | 211.66 | 216.69 |
| 700 | 115.42 | 120.61 | 125.97 | 131.31 | 136.49 | 141.84 | 147.03 | 152.38 | 157.56 | 162.90 | 168.26 | 173.45 | 204.42 | 209.76 | 214.96 | 220.32 | 225.49 |
| 800 | 119.82 | 125.48 | 131.00 | 136.49 | 142.00 | 147.50 | 153.16 | 158.67 | 164.33 | 169.83 | 175.34 | 181.00 | 212.13 | 217.63 | 223.14 | 228.80 | 234.30 |
| 900 | 124.39 | 130.20 | 136.02 | 141.84 | 147.50 | 153.33 | 159.13 | 165.11 | 170.93 | 176.75 | 182.57 | 188.38 | 219.83 | 225.66 | 231.47 | 237.29 | 243.11 |
| 1000 | 128.79 | 134.92 | 141.05 | 147.03 | 153.16 | 159.13 | 165.42 | 171.40 | 177.54 | 183.67 | 189.81 | 195.78 | 227.54 | 233.67 | 239.81 | 245.78 | 251.91 |
| 1100 | 133.19 | 139.64 | 145.92 | 152.38 | 158.67 | 165.11 | 171.40 | 184.49 | 190.43 | 196.73 | 203.01 | 209.31 | 241.53 | 247.82 | 254.27 | 260.57 | 267.01 |
| 1200 | 137.75 | 144.36 | 150.95 | 157.56 | 158.01 | 170.93 | 177.54 | 190.43 | 197.04 | 203.64 | 210.25 | 216.85 | 249.24 | 255.85 | 262.45 | 269.06 | 275.81 |
| 1300 | 142.15 | 149.07 | 155.99 | 162.90 | 164.34 | 176.74 | 183.67 | 196.73 | 203.64 | 210.56 | 217.48 | 224.40 | 256.94 | 263.86 | 270.63 | 277.55 | 284.47 |
| 1400 | 146.55 | 153.79 | 161.02 | 168.26 | 175.35 | 182.57 | 189.81 | 203.01 | 210.25 | 217.48 | 230.69 | 237.92 | 270.78 | 278.02 | 285.10 | 292.33 | 299.57 |
| 1500 | 150.95 | 158.50 | 166.05 | 173.45 | 181.00 | 188.38 | 195.78 | 209.31 | 216.85 | 224.40 | 237.92 | 245.47 | 278.64 | 286.04 | 293.43 | 300.98 | 308.37 |
| 1600 | 181.15 | 188.83 | 196.73 | 204.42 | 212.13 | 219.83 | 227.54 | 241.53 | 249.24 | 256.94 | 270.78 | 278.64 | 286.51 | 294.37 | 302.23 | 310.09 | 317.96 |
| 1700 | 185.72 | 193.73 | 201.76 | 209.76 | 217.63 | 225.66 | 233.67 | 247.82 | 255.85 | 263.86 | 278.02 | 286.04 | 294.37 | 302.71 | 311.04 | 319.38 | 327.70 |
| 1800 | 190.27 | 198.44 | 206.63 | 214.96 | 223.14 | 231.47 | 239.81 | 254.27 | 262.45 | 270.63 | 285.10 | 293.43 | 302.23 | 311.04 | 319.84 | 328.65 | 337.46 |
| 1900 | 194.68 | 203.17 | 211.66 | 220.32 | 228.80 | 237.29 | 245.78 | 260.57 | 269.06 | 277.55 | 292.33 | 300.98 | 310.09 | 319.38 | 328.65 | 337.93 | 347.20 |
| 2000 | 199.08 | 207.88 | 216.69 | 225.49 | 234.30 | 243.11 | 251.91 | 267.01 | 275.81 | 284.47 | 299.57 | 308.37 | 317.96 | 327.70 | 337.46 | 347.20 | 356.35 |
| 2100 | 216.85 | 225.97 | 235.09 | 244.05 | 253.33 | 262.29 | 271.41 | 286.66 | 295.79 | 304.75 | 320.15 | 329.12 | 325.82 | 336.04 | 346.26 | 356.48 | 366.70 |
| 2200 | 221.40 | 230.69 | 239.96 | 249.39 | 258.83 | 268.12 | 277.55 | 293.12 | 302.23 | 311.66 | 327.24 | 336.52 | 333.68 | 344.38 | 355.06 | 365.76 | 376.45 |
| 2300 | 225.97 | 235.40 | 244.84 | 254.74 | 264.34 | 273.93 | 283.67 | 299.57 | 308.68 | 318.58 | 334.31 | 343.91 | 341.54 | 352.71 | 363.88 | 375.04 | 386.20 |
| 2400 | 230.53 | 240.13 | 249.72 | 260.09 | 269.84 | 279.75 | 289.81 | 306.01 | 315.12 | 325.51 | 341.39 | 351.29 | 349.41 | 361.04 | 372.68 | 384.32 | 395.95 |
| 2500 | 235.09 | 244.84 | 254.59 | 265.44 | 275.35 | 285.57 | 295.94 | 312.46 | 321.57 | 332.43 | 348.47 | 358.69 | 357.27 | 369.38 | 381.48 | 393.60 | 405.70 |
| 2600 | 350.53 | 249.56 | 259.46 | 270.78 | 280.84 | 291.39 | 302.08 | 318.90 | 328.01 | 339.34 | 355.54 | 366.07 | 365.13 | 377.71 | 390.29 | 402.86 | 415.45 |
| 2700 | 244.22 | 254.27 | 264.34 | 276.12 | 286.35 | 297.20 | 308.20 | 325.35 | 334.48 | 346.26 | 362.61 | 373.48 | 372.99 | 386.05 | 399.10 | 412.15 | 425.20 |
| 2800 | 248.76 | 258.99 | 269.20 | 281.48 | 291.85 | 303.03 | 314.34 | 331.79 | 340.92 | 353.18 | 369.70 | 380.86 | 380.86 | 394.37 | 407.90 | 421.42 | 434.95 |
| 2900 | 253.33 | 263.72 | 274.09 | 286.84 | 297.36 | 308.84 | 320.48 | 338.25 | 347.37 | 360.10 | 376.77 | 388.25 | 388.72 | 402.72 | 416.71 | 430.71 | 444.70 |
| 3000 | 257.89 | 268.43 | 278.96 | 292.16 | 302.86 | 314.66 | 326.61 | 344.69 | 353.81 | 367.01 | 383.85 | 395.64 | 396.58 | 411.05 | 425.51 | 439.98 | 454.45 |

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