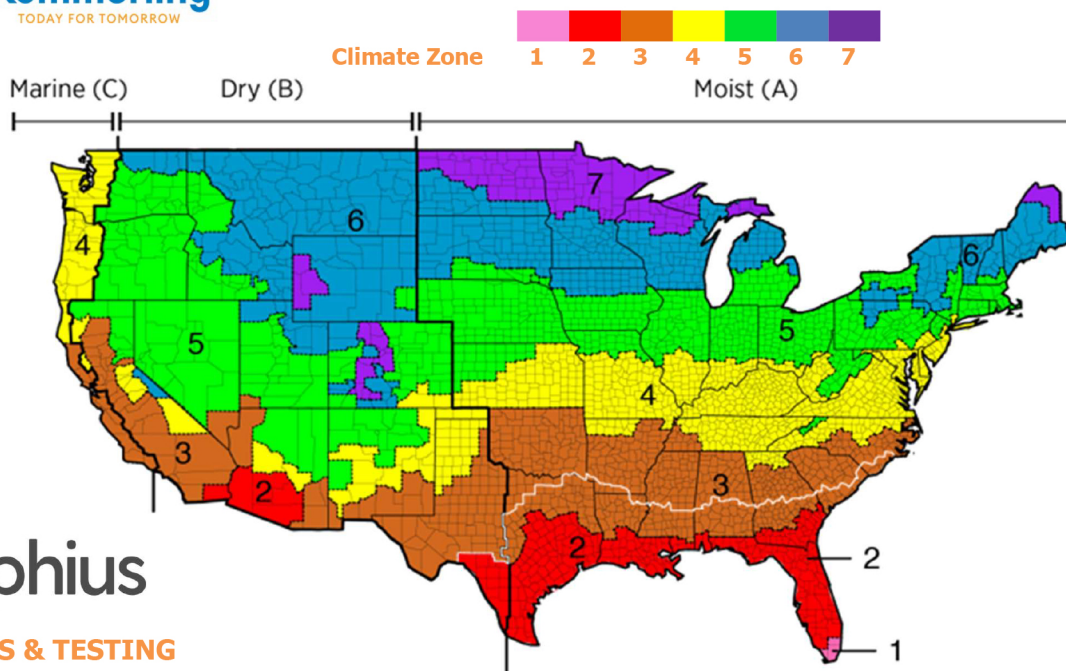




## PHIUS Climate Zone Map



STANDARDS & TESTING

### Technical Performance

#### Passive House Performance (PHIUS)

88 MM Dual Action Tilt & Turn Window -5mm & 6mm (Triple Glazed)

| Glass Combination Options                                                                                      | Gas Options                           | Spacer Options       | Foam    | Approved Climate Zone |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------|---------|-----------------------|
| Solarban 70, Solarban 60, Sungate 400 on Clear, ClimaGuard 70, Cardinal LoE366, Cardinal X89, Cardinal LoE452, | Argon 90%<br>Argon 92%<br>Krypton 90% | Kömmerling4SG Spacer | No Foam | 1 2 3 4 5             |
|                                                                                                                |                                       | Kömmerling4SG Spacer | Foam    | 1 2 3 4 5             |
|                                                                                                                |                                       | Aluminum Spacer      | No Foam | 1 2 3 4 5             |
|                                                                                                                |                                       | Aluminum Spacer      | Foam    | 1 2 3 4 5             |

88 MM Fixed Window -5mm & 6mm (Triple Glazed)

| Glass Combination Options                                                                                      | Gas Options                           | Spacer Options       | Foam    | Approved Climate Zone |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------|---------|-----------------------|
| Solarban 70, Solarban 60, Sungate 400 on Clear, ClimaGuard 70, Cardinal LoE366, Cardinal X89 & Cardinal LoE452 | Argon 90%<br>Argon 92%<br>Krypton 90% | Kömmerling4SG Spacer | No Foam | 1 2 3 4 5             |
|                                                                                                                |                                       | Kömmerling4SG Spacer | Foam    | 1 2 3 4 5             |
|                                                                                                                |                                       | Aluminum Spacer      | No Foam | 1 2 3 4 5             |
|                                                                                                                |                                       | Aluminum Spacer      | Foam    | 1 2 3 4 5             |

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