

# INFILL COMPARISON CHART

|  | Expected Lifetime   | Benefits   | Drawbacks  | Sustained Evaporative Cooling?          |
|--|---|--|--|---|
| <b>Standard Silica Sand</b>                  | Long lasting, however can migrate over time.<br><br>A % of material to be replenished annually.               | Economical.<br><br>Widely available, low price point.  | Potential health risk with dust - silicosis.<br><br>Angular edges and variable particle size grading , will compact if area is high traffic.<br><br>More abrasive than alternatives. | No                                      |
| <b>Rubber - EDPM</b>                         | Long lasting, however can migrate over time.<br><br>A % of material will need to replenish as turf gets used. | Virgin rubber that can be made in any color.<br><br>Extremely durable, low maintenance option.   | EPDM infill not as readily available as recycled crumb rubber.<br><br>Can be the most expensive of any infill.<br><br>Tends to get hotter than alternative infills.                  | No                                      |
| <b>Rubber - Crumb</b>                        | Long lasting, however can migrate over time.<br><br>A % of material will need to replenish as turf gets used. | Provides proper footing and shock attenuation.<br><br>Can improve HIC and GMAX rating.<br><br>Does not require shock pad.                                | Tends to get hotter than alternative infills.<br><br>Amount of material needed. up to 3-4 lbs.<br><br>Requires maintenance or grooming yearly.                                       | No                                      |
| <b>Organics<br/>Walnuts, Wood chips, etc</b> | High % of material needs to be replenished annually.  | Organic based.<br><br>Can improve HIC / GMAX rating when combined with a shock pad.  | Quickly degrades /rots.<br><br>Needs to be replenished frequently.   | No<br><br>Extremely short term cooling. |
| <b>Acrylic Coated Sand</b>                   | Long lasting, however can migrate over time.<br><br>May need to replenish as turf gets used.                  | Performance size grades available.<br><br>Most contain antimicrobials.   | Most considered microplastics due to particle size.<br><br>Some contain heavy metal antimicrobials, which can cause bio accumulation in the environment.                             | No                                      |
| <b>Zeolites</b>                              | Material may need to be replenished every 2-3 years   | Considered a good infill to use to help eliminate pet waste smells<br><br>Readily available on west coast.   | Tends to be very dusty, will crush, and degrade very quickly.<br><br>ADsorbs as opposed to ABSorbs   | No<br><br>Extremely short term cooling. |
| <b>T°COOL</b>                                | Long lasting, however can migrate over time.<br><br>May need to replenish as turf gets used.                  | Performance size grades available.<br><br>Mitigates compaction.<br><br>Sand contains biobased Antimicrobial.<br><br>Cooling Up to 50°F for Multiple days | Due to shipping costs, can be slightly more expensive than alternative infill options.   | Yes<br><br>Up to 50°F for multiple days |

