



CLIENT:

| | |
|-----------------|---------------------------|
| Company: | Zeolite |
| Address: | 4401 Etiwanda Rd Suite #C |
| | Jurupa Valley, CA 91752 |
| | |
| | |

TEST MATERIAL:

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|--------------------------------|--------------------|
| Date Material Received: | September 20, 2021 |
| Material Type: | Landscape Infill |
| Material Condition: | Excellent, New |
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TESTING METHODS REQUESTED:

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|--|--------------|---------------------|-------------------------------------|
| <i>Testing Services Inc. was instructed by the client to test for the following...</i> | | | |
| Standard: | TSi Internal | Test Method: | Sports Surface Sunlight (Heat) Test |

SAMPLING PLAN:

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|---|---------|
| Sampling Date: | 9/20/21 |
| <ul style="list-style-type: none"> Specimen sampling is performed in the sampling department at TSi. The sampling size of specimens is determined by the test method requirements. In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager. All samples are subjected to the outside environmental conditions of temperature and relative humidity. Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested | |

TEST SCOPE:

A 9" X 9" section of landscape synthetic turf was filled with the below infill system to a depth, leaving the exposed tuft 5/8" above the infill, and placed onto a calcium silicate board. The assembly was placed under a 30- gallon galvanized trash can to contain heat emitted by a 250W heat lamp suspended 12" above the pile surface. A calibrated temperature probe was positioned approximately 1/4" above the pile yarn height, as to not touch the turf blade, resulting in radiant heat readings emitting slightly above the turf system. The heat lamp was allowed to remain on for 40 minutes, recording the air temperature and turf surface temperature every 5 minutes.

TEST DATA:

| | Test #1-Silica Sand | | Test #2-ZeoFill | |
|------------------------------|---------------------|-----------------|-----------------|-----------------|
| | Turf Surface | Air Temperature | Turf Surface | Air Temperature |
| Beginning of Test | 80.0°F | 77.9°F | 80.0°F | 77.9°F |
| End of 40-minute Exposure | 204.8°F | 130.4°F | 185.6°F | 130.4°F |
| Temperature Increase | 124.8°F | 52.5°F | 105.6°F | 52.5°F |
| Percent Temperature Increase | 60.9% | 40.3% | 56.9% | 40.3% |

TEST SUMMARY:

The surface temperature achieved by ZeoFill infill was 19.2°F cooler than a silica sand infill.

Uncertainty:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information to us using the latest test methods available. TSi can only ensure the test results for the specific items tested. Unless otherwise noted in the deviations sections of this report, all tests are performed in compliance with stated test method.

Test Report Approval:

Erle Miles, III, Lab Director Testing Services (TSI) LLC

TSi Accreditation: TSi is a certified independent testing laboratory by the STC (Synthetic Turf Council).



Testing Services (TSI) LLC
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