



PRI Construction Materials Technologies LLC

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Laboratory Test Report

Report for: Frank Carman
Shingle Magic
1180 N. Town Center Dr.
Las Vegas, NV 89144

Product Name(s): Shingle Magic Sealer (treated and untreated 3-tab asphalt shingles)

Project No.: 2320T0001

Date(s) Tested: Oct. 15 – Oct. 16, 2020

Results Summary: 42-year treated shingle met the requirements of ASTM D4977
20-year treated shingle met the requirements of ASTM D4977
42-year untreated shingle did not meet the requirements of ASTM D4977
20-year untreated shingle did not meet the requirements of ASTM D4977
New untreated shingle met the requirements of ASTM D4977

Purpose: Conduct testing to evaluate the physical properties of Shingle Magic Sealer treated 3-tab asphalt shingles in accordance with **ASTM D 4977: Standard Test Method for Granule Adhesion to Mineral-Surfaced Roofing by Abrasion.**

Test Methods: Samples tested in accordance with ASTM D 4977 / D 4977M-20: *Standard Test Method for Granule Adhesion to Mineral-Surfaced Roofing by Abrasion*

Sampling: The following materials were received by PRI.

| <u>Product</u> | <u>Source</u> | <u>Date</u> | <u>Sampling</u> |
|--|---------------|--------------|-----------------|
| Shingle Magic Treated 3-tab Asphalt Shingles (42 year) | Las Vegas, NV | Oct. 9, 2020 | Shingle Magic |
| Shingle Magic Treated 3-tab Asphalt Shingles (42 year) | Las Vegas, NV | Oct. 9, 2020 | Shingle Magic |
| Shingle Magic Treated 3-tab Asphalt Shingles (20 year) | Las Vegas, NV | Oct. 9, 2020 | Shingle Magic |
| Shingle Magic Treated 3-tab Asphalt Shingles (20 year) | Las Vegas, NV | Oct. 9, 2020 | Shingle Magic |

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Results:

| Physical Properties | Test Method | Results | | | |
|---|----------------------------|---------|------|-------------|-------------|
| | | 1 | 2 | Average | Requirement |
| Weight of Displaced Granules, (g) 2" x 9" MD specimens; Cond. 30min @ 73±4°F; Test 50 cycles @ 73±4°F; | ASTM D4977 / ASTM D3462 | | | | |
| Shingle Magic Treated "42 year" Shingles | | 0.13 | 0.11 | 0.12 | ≤ 1 |
| Untreated "42 year" Shingles | | 1.50 | 1.47 | 1.49 | ≤ 1 |
| Shingle Magic Treated "20 year" Shingles | | 0.04 | 0.02 | 0.03 | ≤ 1 |
| Untreated "20 year" Shingles | | 1.27 | 1.28 | 1.28 | ≤ 1 |
| New Shingles | | 0.27 | 0.36 | 0.31 | ≤ 1 |

Note(s): None.

Statement of Attestation:

Testing was conducted in accordance with standard test methods described herein. The laboratory test results presented in this report are representative of the material supplied.

Signed: _____



Steve Mueller
 Manager

Report Issue History:

| Issue # | Date | Pages | Revision Description (if applicable) |
|----------|------------|-------|--------------------------------------|
| Original | 10/19/2020 | 2 | NA |

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