

TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 1	Slab 2	Average
5	1	1	1
10	1	2	2
15	1	2	2
20	1	2	2
25	1	2	2
50	4	5	5

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

-			
Freeze-Thaw		Visual Ratin	g
Cycles	Slab 3	Slab 4	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 5	Slab 6	Average
5	5	5	5
10	-	-	-
15	-	-	-
20	-	-	-
25	-	-	-
50	-	-	-

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 7	Slab 8	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

<u>Rating</u>	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 9	Slab 10	Average
5	2	2	2
10	3	3	3
15	4	4	4
20	5	5	5
25			
50			

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

-			
Freeze-Thaw		Visual Ratin	g
Cycles	Slab 11	Slab 12	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 13	Slab 14	Average
5	5	5	5
10	-	-	-
15	-	-	-
20	-	-	-
25	-	-	-
50	-	-	-

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

-			
Freeze-Thaw		Visual Ratin	g
Cycles	Slab 15	Slab 16	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 17	Slab 18	Average
5	5	3	4
10	-	3	
15	-	4	
20	-	5	
25	-		
50	-		

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 19	Slab 20	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

-			
Freeze-Thaw		Visual Ratin	g
Cycles	Slab 21	Slab 22	Average
5	4	4	4
10	5	5	5
15	-	-	
20	-	-	
25	-	-	
50	-	-	

ASTM C672 Visual Rating Scale

Rating	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method



TEST RESULT OF MODIFIED ASTM C672 SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS

Freeze-Thaw		Visual Ratin	g
Cycles	Slab 23	Slab 24	Average
5	0	0	0
10	0	0	0
15	0	0	0
20	0	0	0
25	0	0	0
50	0	0	0

ASTM C672 Visual Rating Scale

<u>Rating</u>	Condition of Surface
0	No scaling
1	Very slight scaling (3 mm [1/8 in. depth], max, no coarse aggregate visible)
2	Slight to moderate scaling
3	Moderate scaling (some coarse aggregate visible)
4	Moderate to severe scaling
5	Severe scaling (coarse aggregate visible over entire surface)

- 1. Two 8x9x3-in concrete slab test specimens were received at AET on 7/5/24.
- 2. The submitted test specimens were reportedly fabricated at FirmeCrete on 4/30/2024. The concrete mixture materials and proportions were not provided.
- 3. ASTM C672 was modified because the curing conditions did not follow the test method and were not reported.
- 4. The results contained in this report represent specifically the samples tested and the method