

TR34 (4th edition) Free Movement Floor Tolerance Report

Allen Face Europe TR34 Analysis, ©Allen Face Europe, www.allenface-europe.com

1. Project Name:
Project Location:

인천 도화 물류센터
-
인천시
HEB
2. Concrete Floor Installer:

ALLEN FACE KOREA
3. Testing Organization:
5. Floor Tolerance Requirements:
4.

Slab ID: 지상4층 #13
Date of Pouring: 1900-01-00
Date of Testing: 2024-03-12
Test Apparatus: D-Meter® Manufactured by Allen Face&Company, Serial Number: 448
Testing Technician: 최동현 (ALLEN FACE KOREA)
Test Area: 427 m² (for test area organization see attached drawing)

TR34 FREE MOVEMENT FLOOR TOLERANCES		
Floor Classification	Property F (mm)	Property E (mm)
	95% limit	95% limit
FM1	1.8	4.5
FM2	2.0	6.5
FM3	2.2	8.0
FM4	2.4	10.0

TR34 4th Edition Convert into FF/FL number 값				
4th Edition	95%		F number	
등급	Property F mm(±)	Property E mm(±)	FF	FL
FM1	1.8	4.5	42.9	46.6
FM2	2.0	6.5	38.6	32.3
FM3	2.2	8.0	35.1	26.2
FM4	2.4	10.0	32.2	21.0
Any point on the Property E survey grid is outside the ±15mm of datum				

6. Analysis:

TR34 FREE MOVEMENT RESULTS

Run #:		9	10	11	12														All Runs:
Run Length (m):		17.10	17.10	17.10	17.10														68.40
FM1	Property F (95%)	YES	NO	YES	NO														YES
	% Defective	1.82%	5.45%	3.64%	5.45%														4.09%
	Property E (95%)	NO	NO	NO	NO														NO
	% Defective	27.66%	23.40%	40.43%	14.89%														26.60%
FM2	Property F (95%)	YES	NO	YES	YES														YES
	% Defective	0.00%	5.45%	1.82%	3.64%														2.73%
	Property E (95%)	YES	YES	NO	NO														NO
	% Defective	0.00%	2.13%	14.89%	8.51%														6.38%
FM3	Property F (95%)	YES	NO	YES	YES														YES
	% Defective	0.00%	5.45%	1.82%	0.00%														1.82%
	Property E (95%)	YES	YES	NO	YES														YES
	% Defective	0.00%	0.00%	8.51%	2.13%														2.66%
FM4	Property F (95%)	YES	YES	YES	YES														YES
	% Defective	0.00%	3.64%	1.82%	0.00%														1.36%
	Property E (95%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	2.13%	0.00%														0.53%

7. Summary:
- The analysed D-Meter® Runs satisfy the
- FM3
- floor tolerance requirements.

최동현 (ALLEN FACE KOREA)

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2. Concrete Floor Installer:
3. Testing Organization:

ALLEN FACE KOREA
5. Floor Tolerance Requirements:

TR34 FREE MOVEMENT FLOOR TOLERANCES		
Floor Classification	Property F (mm)	Property E (mm)
	100% limit	100% limit
FM1	4.0	15.0
FM2	4.5	15.0
FM3	5.5	15.0
FM4	7.5	15.0
4.

Slab ID:

지상4층 #13

Date of Pouring:

1900-01-00

Date of Testing:

2024-03-12

Test Apparatus:

D-Meter® Manufactured by Allen Face&Company, Serial Number: 448

Testing Technician:

최동현 (ALLEN FACE KOREA)

Test Area:

427 m² (for test area organization see attached drawing)

Any point on the Property E survey grid is outside the ±15mm of datum

6. Analysis:

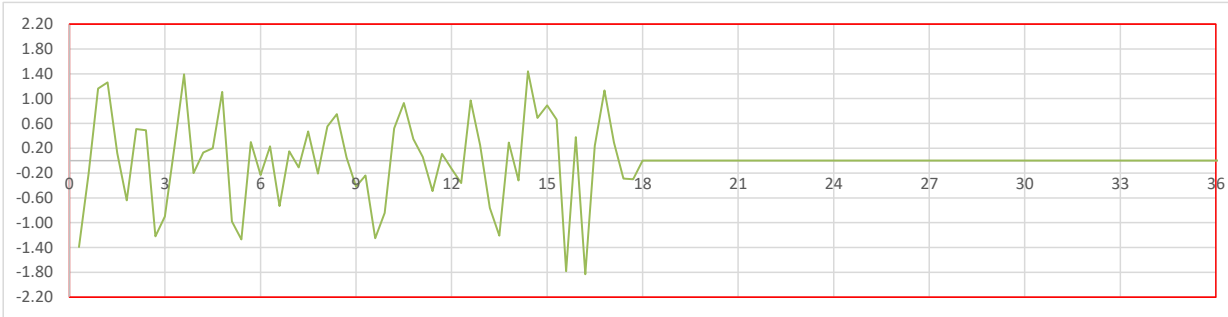
TR34 FREE MOVEMENT RESULTS

TR34 FREE MOVEMENT RESULTS																			
Run #:		9	10	11	12														All Runs:
Run Length (m):		17.10	17.10	17.10	17.10														68.40
FM1	Property F (100%)	YES	NO	YES	YES														NO
	% Defective	0.00%	3.64%	0.00%	0.00%														0.91%
	Property E (100%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	0.00%	0.00%														0.00%
FM2	Property F (100%)	YES	NO	YES	YES														NO
	% Defective	0.00%	3.64%	0.00%	0.00%														0.91%
	Property E (100%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	0.00%	0.00%														0.00%
FM3	Property F (100%)	YES	NO	YES	YES														NO
	% Defective	0.00%	1.82%	0.00%	0.00%														0.45%
	Property E (100%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	0.00%	0.00%														0.00%
FM4	Property F (100%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	0.00%	0.00%														0.00%
	Property E (100%)	YES	YES	YES	YES														YES
	% Defective	0.00%	0.00%	0.00%	0.00%														0.00%

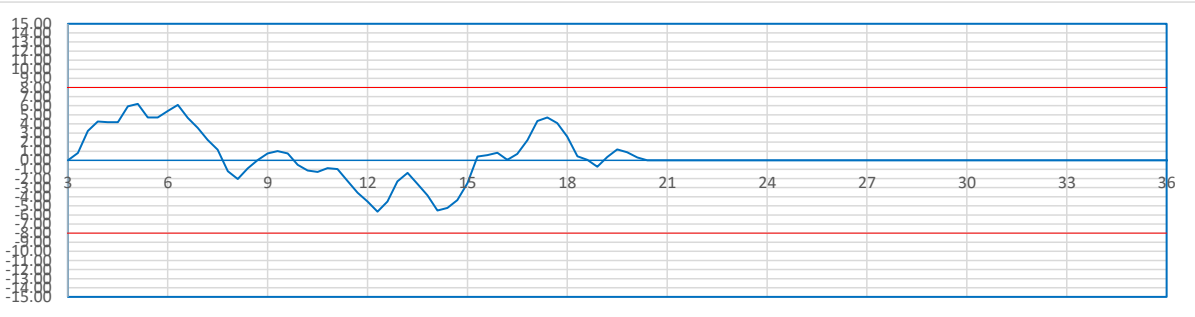
7. Summary:
- The analysed D-Meter® Runs satisfy the
- FM4
- floor tolerance requirements.

최동현 (ALLEN FACE KOREA)

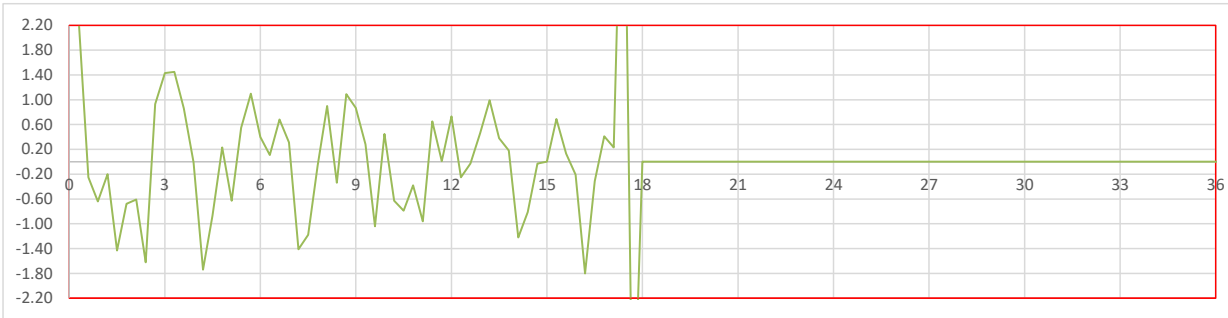
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Property F



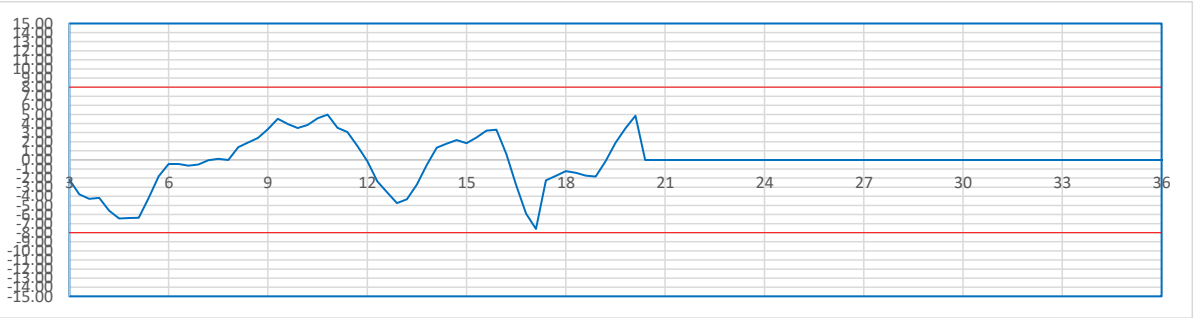
Property E



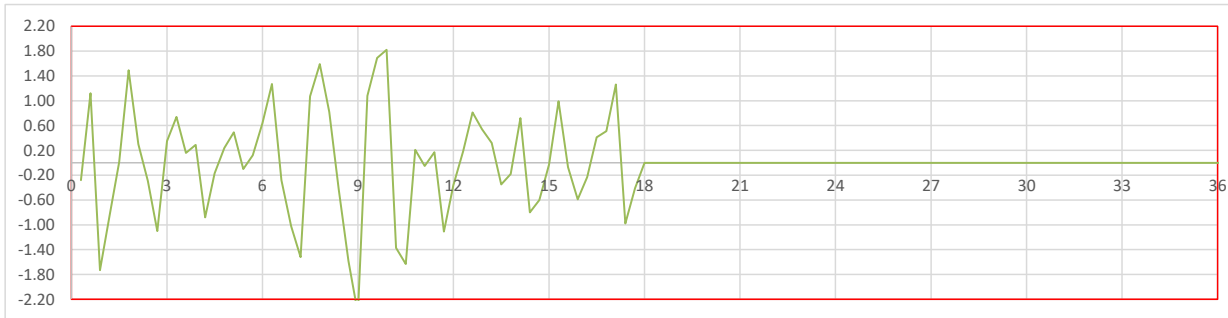
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Property F



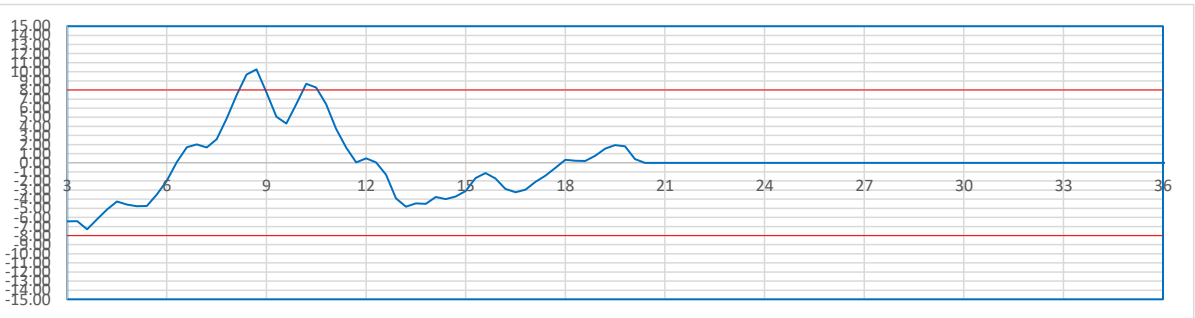
Property E



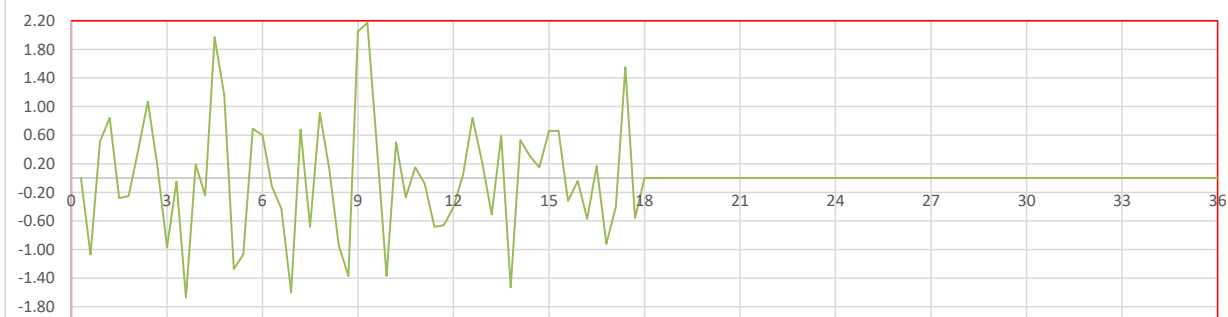
Run #: 11
Property F



Property E



Run #: 12
Property F



Property E

