

TEST REPORT 361568

Contact: Martin Major
Customer: Green Earth Tek PR LLC
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Date: November 8, 2021
Purchase Order: Credit Card

Summary

Testing in accordance with ATS QA Manual Rev. 18 dated 10/16/20. 12 samples were submitted for environmental and physical testing to see if they meet industry recognized standards. The samples were photographed before and after each test/procedure.

Sample Table

Item#	P/N	
1	-	Sheet Rock 8" x 8" x ¼ "
2	-	Concrete 8" x 4" x 4"

Prepared by _____
James Robinson, Materials Testing

Reviewed by _____
Joshua Floyd, Corrosion Team Lead



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Table 1:

Test / Procedure	Item	Observations		
Salt Spray / ASTM B117-19 500 Hours	Sheet Rock	There was no evidence of blistering.		
	Concrete	There was no evidence of blistering.		
Pencil Hardness / ASTM D3363-20	Sheet Rock	<6B ⁽¹⁾		
	Concrete	<6B ⁽¹⁾		
Flexibility / ASTM D522-17	Coated Panel	There was no cracking observed on the edge of the sample's bend. Crack Propagation = Zero.		
Impact Resistance / ASTM D2794-19	Sheet Rock	With a .625-inch impactor the foot-pounds at which the coating is likely to break, is 20-foot pounds of force.		
	Concrete	The concrete block, the coating was adhered to, broke before the coating cracked. This occurred at a maximum impact force of 160 foot-pounds.		
Adhesion / ASTM D3359-17		Area 1	Area 2	Area 3
	Sheet Rock	5B	5B	5B
	Concrete	5B	5B	5B
Weathering / ASTM G154-16 1000 Hours	Sheet Rock	Slight yellowing of the exposed sections of the surface. No blisters or cracking.		
	Concrete	Little to no change in color.		
Chemical Resistance / ASTM D1308-20	Sheet Rock	Chemical Used		Observations
		50 % Ethyl Alcohol		
		3% Acetic Acid (Vinegar)		
		Alkali solution		
		Acid Solution		
		Soap Solution		
	Concrete	Detergent Solution		There was no physical change after the exposure period.
		50 % Ethyl Alcohol		
		3% Acetic Acid (Vinegar)		
		Alkali solution		
		Acid Solution		
		Soap Solution		
Detergent Solution		There was no physical change after the exposure period.		

Note (1): There were no softer lead pencils available.



Figure 1: Pre-Exposure & Post Exposure Photographs of Salt Spray Test



Figure 2: Pre-Exposure & Post Exposure Photographs of Pencil Hardness Test



Figure 3: Post Exposure Photograph of Flexibility Test

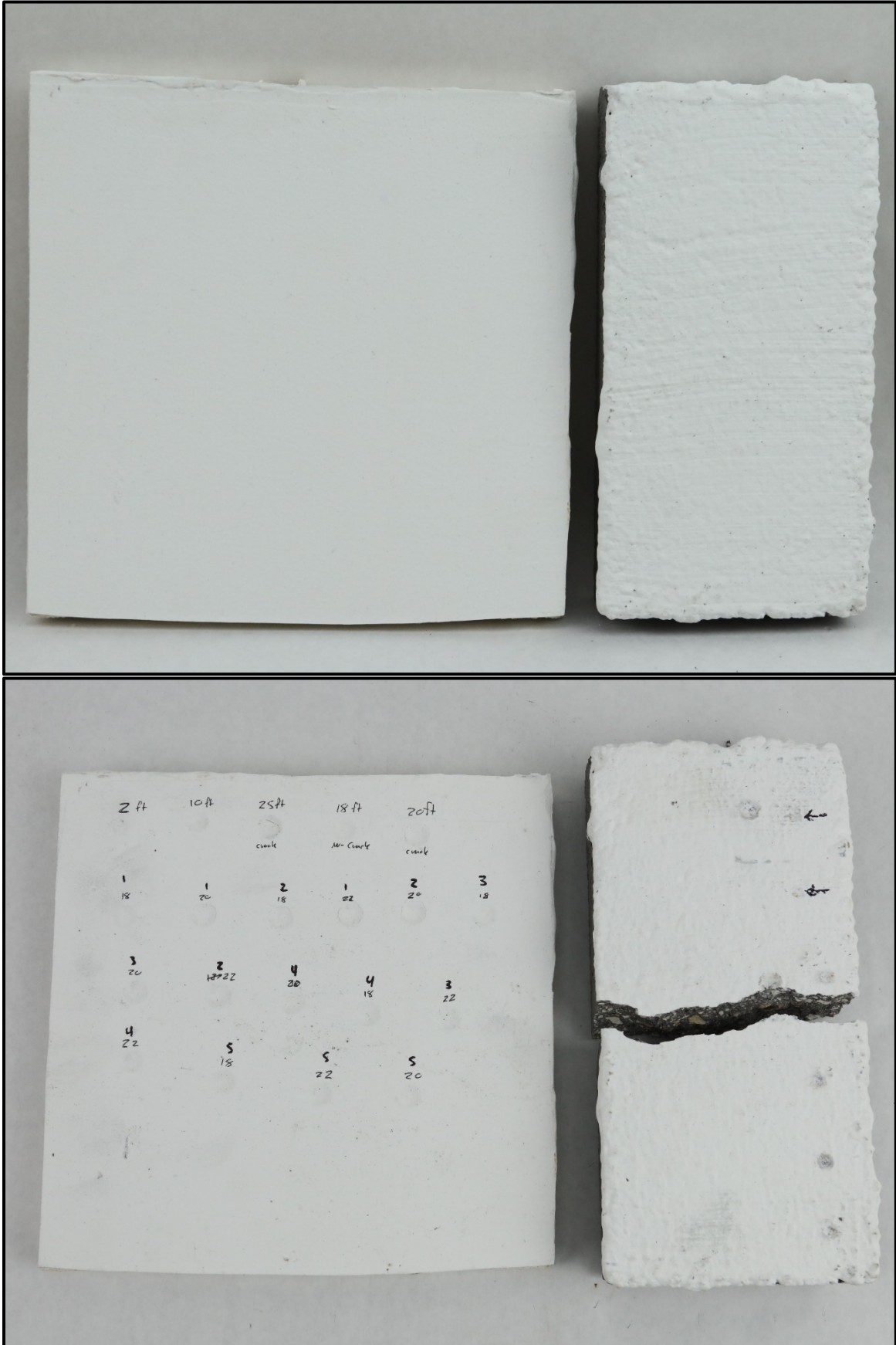


Figure 4: Pre-Exposure & Post Exposure Photographs of Impact Resistance Test



Figure 5: Pre-Exposure & Post Exposure Photographs of Adhesion Test



Figure 6: Pre-Exposure & Post Exposure Photographs of Weathering Test

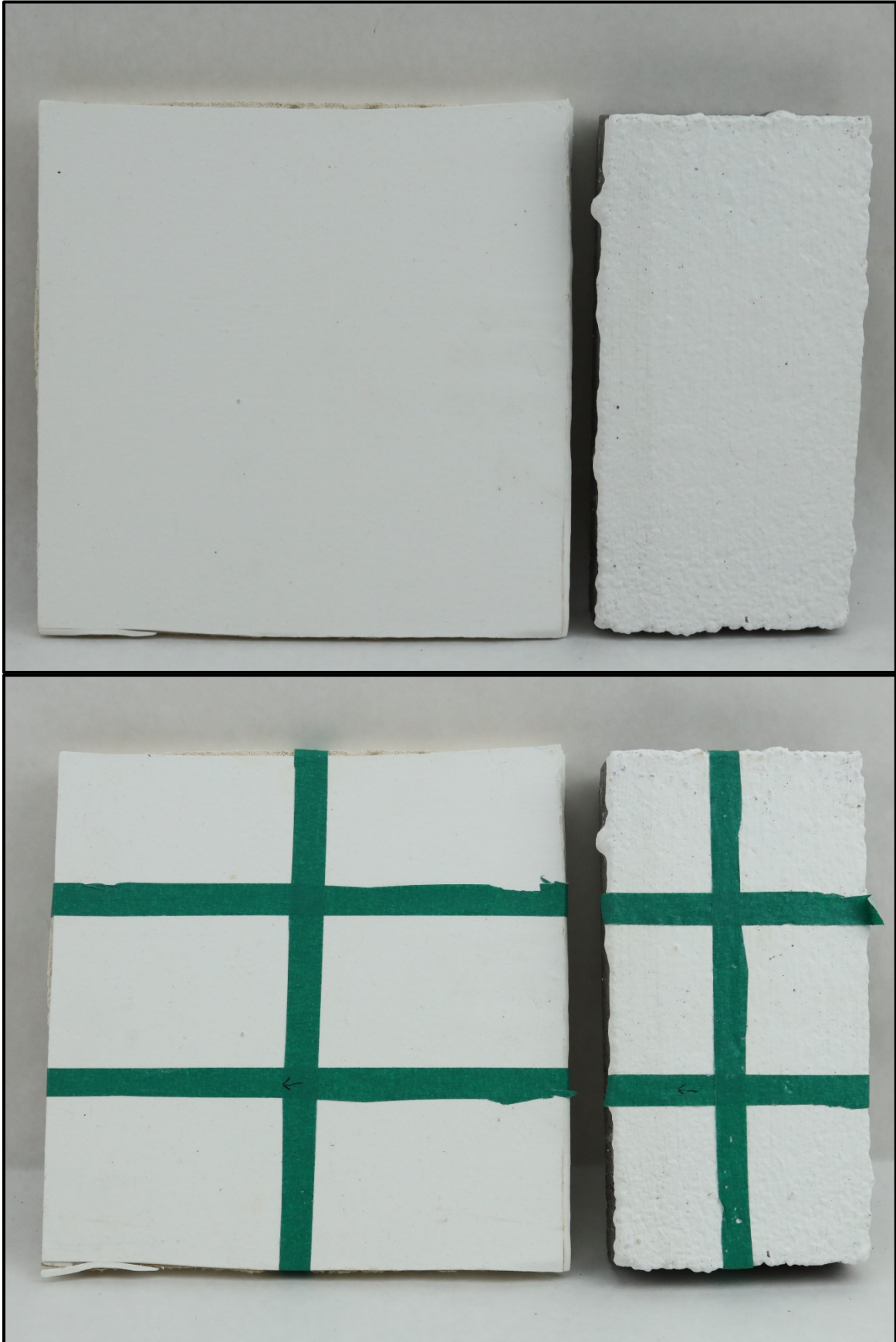


Figure 7: Pre-Exposure & Post Exposure Photographs of Chemical Resistance Test