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Customer: Rochford Supply

Purchase Order# 003112

Quote #: 061324ROCHF_R2

Primary Contact: Dave Crandall

TEST REPORT - 38906 A

Peel and Shear Testing per ASTM D7408. Samples were cut by Assured Testing Services. BILL TO: MNBROOKLY--4216 Rochford Supply 7624 Boone Ave N, Suite 200 Brooklyn Park MN 55428 USA Ph: 763-447-6600

ISO 17025 | NADCAP AAMA Component Testing CAGE 5HSJ7

SENT TO: MNBROOKLY--4216 Rochford Supply 7624 Boone Ave N, Suite 200 Brooklyn Park MN 55428 USA Ph: 763-447-6600

Entry Date: Monday, June 24, 2024

REVISED REPORT TR38906 A: Revised to only reflect the results for Rochford ExtremeGrip Vinyl Cement+. Part and Test Information

Test Name/Procedure Peel Strength ASTM D7408-12 Section **Test Result** 9.1 / ASTM D882-18 Sect. 11.1 Requirement Specification ASTM D7408-12 Section 11 / Table 1: Results: See below. PVC30 Customer Material Rochford ExtremeGrip Vinyl Cement+ Specification Sample #1: 0.00 lb/in. Part Number Sample #2: 0.00 lb/in. Lot Number 2"/min Sample #3: 0.03 lb/in. Sample #4: 0.23 lb/in. Sample Description ~1" wide Black 30mil PVC Geomembrane Samples Sample #5: 0.00 lb/in. In Date 17-Jul-24 Requirements: 15 lb/in. 2.6 kN/m Out Date 17-Jul-24 Test Count 5 Return Count 0 Cycles Hours Required Required 0 Hours/Cycle Completed 0 Completed Peel Strength ASTM D7408-12 Section **Test Result Test Name/Procedure** 9.1 / ASTM D882-18 Sect. 11.1 Requirement Specification ASTM D7408-12 Section 11 / Table 1: Results: See below. PVC30 **Customer Material** Rochford ExtremeGrip Vinyl Cement+ Specification Sample #1: 20.04 lb/in. Part Number Sample #2: 16.38 lb/in. Lot Number 2"/min Sample #3: 12.74 lb/in. Sample #4: 8.98 lb/in. Sample Description ~1" wide Black 30mil PVC Geomembrane Samples Sample #5: 17.51 lb/in. In Date 16-Jul-24 Requirements: 15 lb/in. 2.6 kN/m Out Date 17-Jul-24 Test Count 5 Return Count 0 Cycles Hours Required Required 12 Hours/Cycle Completed 12 Completed

TEST REPORT - 38906 A

Assured Testing Services	Test News (Descelute Dest Strength ACTM D7400.40 Cestion
Test Result	Test Name/Procedure Peel Strength ASTM D7408-12 Section 9.1 / ASTM D882-18 Sect. 11.1
Results: See below.	Requirement Specification ASTM D7408-12 Section 11 / Table 1: PVC30
Rochford ExtremeGrip Vinyl Cement+	Customer Material Specification
Sample #1: 17.88 lb/in.	Part Number
Sample #2: 23.16 lb/in.	Lot Number 2"/min
Sample #3: 17.84 lb/in. Sample #4: 23.52 lb/in. Sample #5: 26.11 lb/in.	Sample Description ~1" wide Black 30mil PVC Geomembrane Samples
	In Date 08-Jul-24
Requirements: 15 lb/in. 2.6 kN/m	Out Date 10-Jul-24
	Test Count 5
	Return Count 0
	Cycles Hours
	Required Required 48
	Hours/Cycle Completed 48
	Completed
Test Result	Test Name/Procedure Peel Strength ASTM D7408-12 Section 9.1 / ASTM D882-18 Sect. 11.1
Results: See below.	Requirement Specification ASTM D7408-12 Section 11 / Table 1: PVC30
Pachford ExtramaCrin Vinul Comant+	Customer Material
Rochford ExtremeGrip Vinyl Cement+ Sample #1: 0.09 lb/in.	Specification Part Number
Sample #2: 0.02 lb/in.	
Sample #3: 0.04 lb/in.	Lot Number 20"/min
Sample #4: 0.02 lb/in. Sample #5: 0.06 lb/in.	Sample Description ~1" wide Black 30mil PVC Geomembrane Samples
	In Date 10-Jul-24
Requirements: 18 lb/in. 2.6 kN/m	Out Date 10-Jul-24
	Test Count 5
	Return Count 0
	Cycles Hours
	Required Required 0
	Hours/Cycle Completed 0
	Completed
Test Result	Test Name/Procedure Peel Strength ASTM D7408-12 Section 9.1 / ASTM D882-18 Sect. 11.1
Results: See below.	Requirement Specification ASTM D7408-12 Section 11 / Table 1: PVC30
Rochford ExtremeGrip Vinyl Cement+	Customer Material Specification
Sample #1: 22.6 lb/in	Part Number
Sample #2: 18.9 lb/in Sample #3: 23.3 lb/in	Lot Number 20"/min
Sample #4: 26.8 lb/in	Sample Description ~1" wide Black 30mil PVC Geomembrane Samples
Sample #5: 26.5 lb/in	In Date 10-Jul-24
Requirements: 18 lb/in. 2.6 kN/m	Out Date 10-Jul-24
	Test Count 5
	Return Count 0
	Cycles Hours
	Cycles Hours Required Required

TEST REPORT - 38906 A

Assured Testing Services		
Test Result	Test Name/Procedur	Peel Strength ASTM D7408-12 Section 9.1 / ASTM D882-18 Sect. 11.1
Results: See below.	Requirement Specificatio	n ASTM D7408-12 Section 11
	Customer Materia Specificatio	
Rochford ExtremeGrip Vinyl Cement+ Sample #1: 25.95 lb/in.	Part Numbe	
Sample #2: 26.59 lb/in.	Lot Numbe	er 20"/min
Sample #3: 22.23 lb/in. Sample #4: 26.72 lb/in.	Sample Description	
Sample #5: 26.09 lb/in.	In Dat	Geomembrane Samples 08-Jul-24
Requirements: 18 lb/in. 2.6 kN/m	Out Dat	te 10-Jul-24
	Test Cou	
	Return Cour	
	Cycles Required	Hours Required 48
	Hours/Cycle	Completed 48
	Completed	
Test Result	Test Name/Procedur	
	Requirement Specificatio	 9.2 / ASTM D882-18 Sect. 11.1 n ASTM D7408-12 Section 11
Results: See below.	Customer Materia	
Rochford ExtremeGrip Vinyl Cement+	Specificatio Part Numbe	
Sample #1: 0.5 lb/in. Sample #2: 1.0 lb/in.	Lot Numbe	
Sample #3: 1.0 lb/in. Sample #4: 1.5 lb/in.	Sample Description	
Sample #5: 0.5 lb/in.	In Dat	Geomembrane Samples 23-Jul-24
Requirements: No pass/fail criteria provided. Report results.	Out Dat	te 23-Jul-24
	Test Cou	nt 5
	Return Cou	
	Cycles	Hours
	Required Hours/Cycle	Required 0 Completed 0
	Completed	•••••
Test Result	Test Name/Procedur	
	Requirement Specificatio	9.2 / ASTM D882-18 Sect. 11.1 ASTM D7408-12 Section 11
Results: See below.	Customer Materia	
Rochford ExtremeGrip Vinyl Cement+	Specificatio Part Numbe	
Sample #1: 293.0 lb/in. Membrane ripped, adhesive remained adheared to membrane.	Lot Numbe	
Sample #2: 274.5 lb/in. Membrane ripped, adhesive remained adheared to membrane.	Sample Description	
Sample #3: 229.5 lb/in. Membrane ripped, adhesive remained	In Da	Geomembrane Samples te 08-Jul-24
adheared to membrane. Sample #4: 248.0 lb/in. Membrane ripped, with a small portion of	Out Dat	te 08-Jul-24
the membrane tearing apart from the adheive.	Test Cou	nt 5
Sample #5: 297.5 lb/in. Membrane ripped, adhesive remained adheared to membrane.	Return Cou	
	Cycles	Hours
Requirements: No pass/fail criteria provided. Report results.	Required Hours/Cycle	Required 12 Completed 12
	Completed	

TEST REPORT - 38906 A

BILL TO: MNB Rochford Supply

MNBROOKLY--4216 **S**

SENT TO: N Rochford Supply

Test Result	Test Name/Proce	edure Shear Force ASTM D7408-12 Section 9.2 / ASTM D882-18 Sect. 11.1
Results: See below.	Requirement Specifica	ation ASTM D7408-12 Section 11
Rochford ExtremeGrip Vinyl Cement+	Customer Mat Specific	
Sample #1: 335.5 lb/in. Membrane ripped, adhesive remained	Part Nu	mber
adheared to membrane.	Lot Nu	imber 2"/min
Sample #2: 286.0 lb/in. Membrane ripped, adhesive remained adheared to membrane.	Sample Descrip	otion ~1" wide Black 30mil PVC Geomembrane Samples
Sample #3: 325.5 lb/in. Membrane ripped, adhesive remained	In	Date 17-Jul-24
Idheared to membrane. Sample #4: 298.5 lb/in. Membrane ripped, adhesive remained	Out	t Date 19-Jul-24
adheared to membrane.	Test C	Count 5
Sample #5: 335.5 lb/in. Membrane ripped, adhesive remained adheared to membrane.	Return C	Count 0
	Cycles	Hours
Requirements: No pass/fail criteria provided. Report results.	Required	Required 48
	Hours/Cycle	Completed 48
	Completed	

Isabella Hibbler

Laboratory Operations Manager

Doalda Hilbler

Issue Date: 8/2/2024

Test results apply only to the item(s) as received and as tested. If Assured Testing Services needs to manipulate a test item dimensionally for the purpose of equipment parameters the results only apply to the portion that is tested. When Information supplied by the customer could affect test results, the customer is responsible for the determining validity of the reported results. Information and statements in this report are derived from material, information, and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of material tested or analyzed for any particular purpose or use. This report is confidential property of our client and may not be used for advertising purposes. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony. Samples will be discarded 2 weeks following issuance of test report, unless notified in writing by the client. Any client claims or damages arising from the use of information in this report are strictly limited to the cost of the services provided by Assured Testing Services.

End Of Report

Revision: 5/3/2022