TWINING Material Test Report							Twining, Inc San Diego Lab 15950 Bernardo Center Drive, Suite H San Diego, CA 92127 Ph: 858-974-3750 Fax: 562.426.6424 Report No: MAT:W02-22-0			/02-22-01069-S1
	-	ort					Date of Issue: 3/30/2022 Issue No: 1			
Customer: Project:	2655 First Street, Suite 210 Simi Valley, CA, 93065					Project No.: 180782.2 Permit No.: OSHPD:				
	Lab Testing						DSA File DSA AP #			
Jurisdiction Distribution	-						Approved Sign	R. Cle atory: Robert Clevenger	U	
										- /
Sample D	Details					Particle Size Distribution				
Sample ID:	la.	W02-22-0	01069-S1			Met	thod:	ASTM C 136,	ASTN	1 C 117
Field Samp		1 03/22/202	22			Date Tested: 3/24/2022				
Source:		Escondid	0			Tes	ted By:	Robert Cleven	ger	
Material:			s II Aggregate B							
Specification		Caltrans CTM 125	Section 26-1.02	B Class 2 Aggre	egate Base	Sie	ve Size	% Passii	na	Limits
Sample Loc			Escondido			11/21			100	Linits
Sample Dep	oth:	N/A				1in			100	100 - 100
Sampled By		Client				³⁄₄in			90	90 - 100
Material De	scription:	3/4" Clas	s II Aggregate B	ase - Recycled		1∕₂in 3/8i			66 55	
ou =						No.			39	35 - 60
Other Te	st Result	S				No.			29	
Description			Method	Result	Limits	No.			22	
	ximum Size		ASTM C 131	22		No.			16	10 - 30
	Loss by Abrasion and Impact (%) 33 Grading Designation B					No. No.			11 7	
	asion Losses	6		0.27		No.			4.8	2.0 - 9.0
Date Tested				3/29/2022						
	ry Unit Weig	, ,	ASTM D 1557							
	num Dry Unit We ater Content			123.9 11.8						
Optimum Water Content (%)11.8Corrected Optimum Water Content (%)10.8										
Method				C						
Preparation				Moist						
Visual Description3/4" Class II Aggregate Base - RecycledRetained Sieve 3/8" (9.5mm) (%)45										
	eve 3/8 (9.5 eve 3/4" (19r			45 10						
	vity (Oversiz			2.60						
Date Tested				3/29/2022		Ch	art			
Sand Equiva			ASTM D 2419) 56 57	≥25					
Sand Equiva				56	≥25 ≥25		% Passing			·······
Shaker meth				Mechanical	223		90			····;//·····
Preparation				Procedure B			3D 70			11
Date Tested				3/29/2022		-	60		1	1
R Value	I		ASTM D 2844		≥78		50		- 1	Ý
Date Tested 3/28/2022 Coarse Durability Index ASTM D3744/ CTM 229 78				-	30		1.			
Fine Durability Index 47					20					
Final Durability Index 47 ≥35					10					
Test Method CTM 229						- 000 NN	CON PARTY OF	No.4	1940- 1940- 1940- 1940-	
Date Tested				3/28/2022		-		Sieve		

Remarks: N/A

The Material Tested With the Project Requirements Complies Does Not Comply

TWIN Proctor Report			Twining, Inc San Dia 15950 Bernardo Center Driv San Diego, CA 92127 Ph: 858-974-3750 Fax: 562.426.6424 Report No Date of Issue: 3/30/2022	ego Lab /e, Suite H D: PTR:W02-22-01069-S1 Issue No: 1		
Simi Vall	st Street, Suite 210 ey, CA, 93065 - As-Needed Lab Testing ing		Project No.: 180782.2 Permit No.: OSHPD: DSA File #: DSA AP #:			
Jurisdiction: Distribution:			R. C. Approved Signatory: Robert Cleve	Derrmgr- nger (Lab Manager)		
Sample Details Sample ID: Date Sampled: Source: Material:	W02-22-01069-S1 3/22/2022 Escondido 3/4" Class II Aggregate Base - Recycled	Field Sample II Sampled By:	D: 1 Client			
Specification: Sampling Method: Sampling Location: Sampling Depth: Tested By:	Caltrans Section 26-1.02B Class 2 Aggrega CTM 125 Ramco - Escondido N/A Ryan Powney	Material Description: 3/4" Class II Aggregate Base - Recycled Date Tested: 3/29/2022				
	t - Water Content Relationship	1744 1474 1475 11 12 12 12 12 12 12 12 12 12 12 12 12	est Results			
	ed ——— 0% Air Voids 🔷 🔷	Corrected	ASTM Iaximum Dry Unit	D 1557		
		w	/eight (lbf/ft³):	120.7		
124.0			optimum Water Content %):	11.8		
123.0		. M	lethod: reparation Method: pecific Gravity (Fines):	C Moist 2.61		
122.0 - 		(%	etained Sieve 3/8" (9.5mm) %): etained Sieve 3/4" (19mm) %):	45 10		
liggi		·····	assing Sieve 3/8" (9.5mm) %): assing Sieve 3/4" (19mm)	55 90		
121.0 121.0 120.0 10			%): ested By: ate Tested: isual Description:	Ryan Powney 3/29/2022 3/4" Class II Aggregate Base		
+			·	- Recycled		
117.0			ASTM orrected Maximum ry Unit Weight (Ibf/ft³):	D 4718 123.9		
116.0			orrected Optimum /ater Content (%):	10.8		
115.0	<u>, i, i, i, i, i, i, i, i</u> , i,	i Ni Is	pecific Gravity (Oversize):	2.60		
6.0 7.0	0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 1 Water Content (%)	11	ieve Size (Oversize): versize Particles (%):	3/4 10		

Remarks:

The Material Tested 🗹 Complies 🗌 Does Not Comply With the Project Requirements

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TWIN R Value Repor	Twining, Inc San Diego Lab 15950 Bernardo Center Drive, Suite H San Diego, CA 92127 Ph: 858-974-3750 Fax: 562.426.6424 Report No: RV:W02-22-01069-S1 Date of Issue: 3/30/2022						
Simi Va Project: RAMCC Lab Tes	irst Street, Suite 210 alley, CA, 93065 D- As-Needed Lab Testing	Date of Issue: 3/30/2022 Issue No: 1 Project No.: 180782.2 Permit No.: OSHPD: DSA File #: DSA AP #:					
Jurisdiction: Distribution:				R, (Approved Signatory: Robert Clev	LUUMGU- enger (Lab Manager)		
Sample Details	\$						
	W02-22-01069-S1		Date Sampled:	3/22/2022			
Sampling Method:				Source: Escondido			
Material:	3/4" Class II Aggregate Base - Red	Specification:	Caltrans Section 26-1.02B Class 2 Aggregate Base				
	Ramco - Escondido		Tested By:	Brian Vollnogle			
Date Tested:	3/28/2022		Test Res	11-			
			Specimer Moisture Co Dry Density Exudation P R Value	ontent (%) 9.0		10.0 120.9 446 86 0.0	

Remarks:

The Material Tested Complies Does Not Comply With the Project Requirements