



REPORT OF COMPRESSIVE STRENGTH

CONCRETE CYLINDERS

CLIENT: Alda Tile
236 E. 30TH Street
Tucson, Arizona 85713

ATTN.: MS. Dagny Steindottir

JOB NAME: New Tile Mix

ATL PROJECT NO.: 698014

SUPPLIER: Mixed on site

TRUCK NO.: N/A

TICKET NO.: N/A

TIME SAMPLED: 1:40 PM

DATE MOLDED: 11/20/98

CONCRETE TEMP.:(F): N/A

AMBIENT TEMP.(F.): N/A

SAMPLE SOURCE: Tile Molding Area

REPORT DATE: 12/28/98

LAB NO.: 98-1076

SET NO.: 1

RECEIVED IN LAB: 11/21/98

FIELD TESTED BY: T. Gordon

METHOD: ASTM C-31

BATCH SIZE (cu.yds.): N/A

ADMIXTURES: N/A

TIME IN MIXER(min.): N/A

SLUMP (Spec N/A) N/A

AIR (Spec N/A) N/A

WATER ADDED (gal.): N/A

ID DESIGNATION	AGE (Days)	DATE TESTED	AVG. DIA. (inch)	LENGTH (inch)	AREA (sq.in)	MAX LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE OF BREAK
98-1076A	7	11/27/98	3.92	8.00	12.07	35,500	2,940	SHEAR
98-1076B	14	12/04/99	3.97	8.00	12.37	45,000	3,640	SHEAR
981076-C	28	12/28/99	3.99	8.00	12.50	57,500	4,600	SHEAR
98-1076D	28	12/28/98	3.98	8.00	12.43	57,000	4,590	SHEAR
						28 DAY AVG.=	4595	

REMARKS: Friction Test Results:

Static Coefficient Dry: 0.79

Static Coefficient Dry / Hillard: 0.81

Static Coefficient Wet: 0.64

Reviewed By:

Respectfully Submitted:

Thomas Gordon

Tucson Area Supervisor



REPORT OF SLIP RESISTANCE

CLIENT: Alda Tile
236 E. 30TH Street
Tucson, Arizona 85713

REPORT DATE: 05/18/99
LAB NO.: 99053(Tucson)

ATTN.: MS. Dagny Steindottir

JOB NAME: New Tile Mix

RECEIVED IN LAB: 05/17/99
FIELD TESTED BY: T. Gordon

ATL PROJECT NO.: 99053
ASTM METHOD: ASTM C1028

SUPPLIER: ALDA Design

TIME & DATE CAST: 05/10/99

CONCRETE TEMP.:(F): N/A

SAMPLE SOURCE: Client

DESIGN STRENGTH (LBS.): 18 TO 20

ID DESIGNATION	AGE (Days)	DATE TESTED	AVG.WIDTH (inch)	GRIT	Sandblast		Coefficient Fdry	Coefficient Fwet
GREY	5	05/17/99	1.00	50	Medium		0.82	0.80
GREY	5	05/17/99	1.00	50	none		0.62	0.60

REMARKS: Results "OK", meaning no visual cracking of tile or excessive elongation failure noted.

Reviewed By:

Respectfully Submitted:

David P Hayes, P.E.

Executive Vice President



REPORT QF EMBEDMENT PULL TEST

CONCRETE TILE MOUNTING STRAP

CLIENT: Alda Tile
236 E. 30TH Street
Tucson, Arizona 85713

REPORT DATE: 04/20/99
LAB NO.: 99045

ATTN.: MS. Dagny Steindottir

RECEIVED IN LAB: 04/16/99
FIELD TESTED BY: T. Gordon

JOB NAME: New Tile Mix
ASTM METHOD: C 900

ATL PROJECT NO.: 699007

SUPPLIER: ALDA Design

TIME & DATE CAST: 04/15/99

CONCRETE TEMP.:(F): N/A

SAMPLE SOURCE: Client

DESIGN STRENGTH (LBS.): 18 TO 20

ID DESIGNATION	AGE (Days)	DATE TESTED	AVG.WIDTH (inch)	LENGTH (inch)	GAUGE (Thick.)	MAX LOAD (lbs)	DURATION OF PULL (SEC.)	RESULT
Tile 1, strap A	5	04/20/99	1.00	4.50	20	26	60	OK
Tile 1, strap B	5	04/20/99	1.00	4.50	20	26	60	OK

REMARKS: Results "OK", meaning no visual cracking of tile or excessive elongation failure noted.

Reviewed By:

Respectfully Submitted:

Thomas Gordon

Tucson Area Supervisor