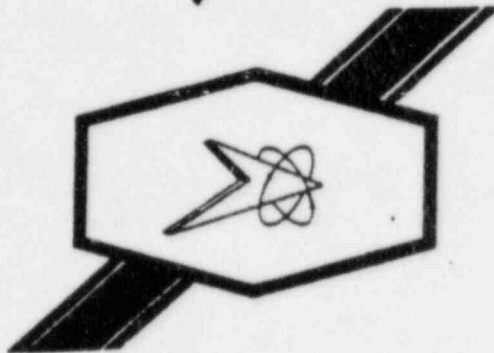


Imperial



TECHNICAL REPORT

NUMBER

108-77-G

TITLE

"COMPATIBILITY OF BURKES FORM RELEASE TO
IMPERIAL'S CONCRETE COATING SYSTEMS"

FOR

COMANCHE PEAK

CUSTOMER

TEXAS UTILITIES

Submitted by: Jerry Arnold

Approved:

Date: 8/5/77

SOUTHERN IMPERIAL COATINGS CORPORATION, INC.
P. O. Box 29077, * New Orleans, Louisiana 70189
Phone: (504) 254-1433

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DBA AND RADIATION TOLERANCE

TEST PANEL PREPARATION DATA

1. PRODUCT TO BE TESTED: NUTEC 11S/NUTEC 11/ REACTIC 1201
2. TYPE SUBSTRATE: Concrete - Bechtel CP 956 SIZE: 2" x 4" x 2"
3. SURFACE PREPARATION (Describe): Burke's Form Release was generously applied to all surfaces with a clean cloth.
4. PRODUCT DATA: SAMPLE NO.(s): 3054
5. DATE AND TIME CURING COMPOUND OR PRIMER APPLIED: Burkes applied 7/5/77 10:00 a.m.

COAT	PRODUCT	PRODUCT CODES	BATCH #	APPLICATION METHOD	CONDITIONS R/M(°F) & R.H.	THICKNESS (ins.)	TIME & DATE APPLIED
1	NUTEC	11S	2172/2275/2173	Squeegee	78°F/53% R.H.	.010-.020"	7/5/77 4:00 p.m.
2	NUTEC	11	2172/2275	Squeegee	82°F/61% R.H.	.003-.005"	7/6/77 4:00 p.m.
3	REACTIC	1201	6171/7434	Spray	86°F/70% R.H.	.005-.007	7/8/77 11:00 a.m.

6. CURING CONDITIONS: AMBIENT TEMP. 70-80 °F REL. HUMIDITY 40-60
MINIMUM CURE 5 DAYS

7. TEST PROCEDURE: DBA per HL & P (Revision 0, 10/22/75)

8. TESTING PERFORMED BY: Coastal Sciences DATE SUBMITTED 7/13/77

APPROVED: _____

TEST REPORT NO. 178-77-G

DATE: 8/5/77

PREPARED BY: Arnold E. Arnold

August 5, 1977

COMPATIBILITY OF BURKE'S FORM RELEASE

IMPERIAL'S CONCRETE COATING SYSTEMS

Purpose: The purpose of this test was to determine if Burke's form release would effect the performance of Imperial's concrete coating systems, if the release agent were transferred to the concrete.

Procedure: In order to expedite the generation of data, and to test under extreme conditions; the Burke's form release was applied directly to the concrete prior to application of the NUTEC #11S. The form release was applied generously to all surfaces with a clean cloth at a spread rate of approximately 400 ft²/gal. The concrete coating system was applied as outlined in the attached panel preparation data. All specimens were cured at room temperature and relative humidity, then, submitted to Coastal Sciences for DBA testing per Houston Lighting and Power Revision 0, 10/22/75. All specimens were inspected for defects immediately upon removal from the autoclave, especially delamination of the NUTEC #11S from the concrete which would indicate an incompatibility.

Results: All surfaces were free of any defects.

Conclusions: Burke's form release does not pose any threat to the performance of Imperial's concrete coating systems.

COASTAL SCIENCE ASSOCIATES

(504) 283-7251

6900 CANAL BOULEVARD • NEW ORLEANS, LOUISIANA 70124

Date: July 18, 1977

Product Identification: Steel Panels 1 Concrete Blocks

DBA Test Conditions: Houston Lighting and Power Curve, Rev.0,
Oct. 22, 1975, abbreviated to 28 hrs.

<u>Sample #</u>	<u>Comments</u>
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3054	sides 1,2,3,4, free from blisters, cracks, flakes, and no loss of adhesion detected.
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Approved

Chas. A. Taylor

Report #043071677

Houston Power & Light (South Texas)

ENVIRONMENTAL QUALIFICATION TEST PROFILE

Temperature Versus Time

REVISION 0, 10/22/75

ADDITIONAL
PERF. TRANSIENT

DBA TRANSIENT

291 F

291 F

TEMPERATURE, °F

TIME

2.78×10^{-4} s

2.78×10^{-4} s

