

ENGINEERING SPECIFICATIONS	FIREPROOFING	SPEC. M-101 NO.
LUMMUS NEDERLAND N.V.		PAGE 1 OF 2

I N D E X

	<u>Page</u>
1.0 <u>GENERAL</u>	2
1.1 Intent and Scope	2
1.2 Fire Hazardous Areas	2
2.0 <u>FIREPROOFING DETAILS</u>	2
3.0 <u>ATTACHMENTS</u>	2

ENGINEERING SPECIFICATIONS	FIREPROOFING	
LUMMUS NEDERLAND N.V.		SPEC. NO. M-101
		PAGE 2 OF 2

## 1.0 GENERAL

### 1.1 Intent and Scope

This specification together with the drawings cover the requirements for the materials and application of fireproofing for structural steel elements within fire hazardous areas of the plant. It is intended that this specification defines the structural elements to be fireproofed as well as the extent of fireproofing on these elements.

### 1.2 Fire Hazardous Areas

- 1.2.1 Vessels, exchangers, towers, etc. containing flammable liquids and vapors shall constitute fire hazardous equipment.
- 1.2.2 Fireproofing inside battery limits shall follow UOP Spec. 360, latest revision.
- 1.2.3 Fireproofing outside battery limits shall be as indicated on drawing.

## 2.0 FIREPROOFING DETAILS

For typical details of fireproofing inside battery limits see UOP specification 360.

## 3.0 ATTACHMENTS

- 3.1 UOP specification 360.

/wvs

# UOP SPECIFICATION 360

REV. 3, MAY 24, 1974.

MODIFIED METRIC VERSION TO SUIT  
CONTRACT.

## FIREPROOFING

PORTLAND CEMENT CONCRETE  
MANUAL OR  
PNEUMATIC APPLICATION



UNIVERSAL OIL PRODUCTS COMPANY  
DES PLAINES, ILLINOIS, U.S.A.




JN 6877

Petrosul  
Sines, Refinery

A-101

ENGINEERING SPECIFICATION  
FOR  
FOUNDATIONS AND MISCELLANEOUS  
CIVIL CONSTRUCTION

CODE OF ACCOUNTS CLASSIFICATION - AA

Rev. 0 - "Approved for Construction" - 22.2.1973  
 Rev. 1 - "Revised" - 29.3.1973  
 Rev. 2 - Revised pages 5 & 20  
 Added section 16. with attms - 6.4.1973  
 Rev. 3 - Revised pages 5 - 4.5.1973  
 Rev. 4 - Revised pages 4;10,12,16,18  
 and section 16, pages 2,3,11,13 - 16.5.1973  
 Rev.L5 - Revised as per  29.6.1973  
 Rev.L6 - Revised as per  30.8.1973  
 Added Attachment n° 1  
 Rev.L7 - Revised as per  30.10.74

ADDENDUM N° 5377.V.BES.1700.1

Procon. Techniq

REVISION	DESCRIPTION	DATE
0	Issued	1.07.7
1	Issued	7/8/74
2	Issued	30/8/7
3	Issued	30/10/7

To be used in conjunction with A 101

INDEX FOR ADDENDUM N° 5377.V.BES.1700.1

PAGE	ADDENDUM REVISION DESCRIPTION	LATEST REV.	DATE
3	revised	0	27/6/74
4	"	0	"
5	"	0	"
6	"	0	"
7	"	0	"
8	"	0	"
9	"	0	"
12	"	0	"
14	"	0	30/10/74
15	"	0	27/6/74
16	"	0	"
18	"	0	"
20	"	0	"
2	revised L6 specific job requirement	2	30/8/74
3	" " "		"
4	" " "	0	27/6/74

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