

NARCO CONFIDENTIAL-RESTRICTED



CM-18 GUN MIX

Made at: Womelsdorf, PA

PRODUCT LIFE: DEC. 5, 1962 TO JAN. 17, 1986

ASBESTOS DATES: JULY 3, 1963 TO JAN. 31, 1977

CM-18 GUN MIX MIXES: 320
320A
320B
320C
320D
320E
320F

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTED

Plant

Womelsdorf - Basic

Date

April 16, 19

Brand

CM Gun Mix

Mix No.

310 A

Process

Burn

Shrinkage

Mix

Chrome Ore - 8+14M

25%

" " - 14+48M

20%

" " - 48M

25%

Pencilase - 8+14M

20%

" - 48M

10%

Gleason Clay A.F.

3% (added)

"GD" Soderum Silicate

4% (added)

Special Instructions

Reason for change: Show proper size fractions.

Control Specifications

To be packaged in 100 lb. Bags.

Replaces Sheet Date

3/29/62

Approved

F. W. Schrock

Research

Approved

R. F. Schrock

Operating

Approved

Stecher

Plant

4/16/63
ham

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTEDPlant Wormelsdorf - BasicDate July 3, 1963Brand CM Gun mixMix No. 3108

Process _____

Burn _____

Chrome-Magnesite Gun mix

Shrinkage _____

Mix

Chrome Ore	- 8 + 14M	25 %
" "	- 14 + 48M	20 %
" "	- 48M	25 %
Periclase	- 8 + 14M	20 %
"	- 48M	10 %
Gleason clay	A.F.	3 % (added)
"GD" Sodium Silicate		4 % (added)
Asbestos 7K05		2 % (added)

Special Instructions

Reason for change: To add asbestos

Control Specifications

To be packaged in ^{50 lb} 100 lb bags

Replaces Sheet Dated

April 16, 19637/3/63
jam

Signed

Engineering

Approved

Research

Approved

Operating

Approved

Plant

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTED

Plant Womelsdorf. Basic

Date July 17, 1963

Brand C M Gum Mix

Mix No. 310C

Process _____

Burn _____

chrome magnesite Gum Mix

Shrinkage _____

Mix

Chrome Ore	- 8 + 14 M	25%
"	" - 14 + 48 M	20%
"	" - 48 M	25%
Periclase	- 8 + 14 M	20%
"	- 48 M	10%
Gleason clay A.F.		3% (added)
"GD" Sodium Silicate		6% (added)
Asbestos 7K05		2% (added)

Special Instructions

Reason for change: To increase silicate to 6%

Control Specifications

Replaces Sheet Dated

July 3, 1963

Signed

Engineering

Approved

W. Schneider

Research

Approved

[Signature]

Operating

Approved

[Signature]

Plant

NORTH AMERICAN REFRACTORIES COMPANY

Mix Instructions

NARCO CONFIDENTIAL-RESTRICTED

Plant Womelsdorf - BasicDate December 5, 1962Brand C M - 18 Gun mixMix No. 320

Process

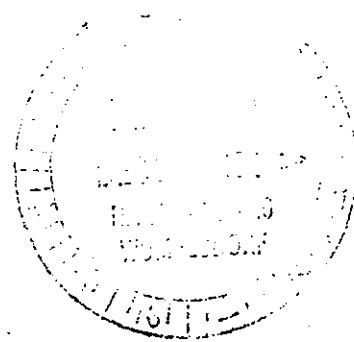
Burn

chrome Gun mix

Shrinkage

Mix

chrome Ore	- 8 + 14 M	40 %
chrome Ore	- 14 + 48 M	15 %
chrome Ore	- 48 M	35 %
Gleason clay	A.F.	4 %
"G D" Brand Sodium Silicate		6 %

Special Instructions Based on RC-2262

Control Specifications

Replaces Sheet Dated

new mix

Signed

Engineering

Approved

Research

Approved

Operating

Approved

Plant