

# BURNED MAGNESITE BRICK

## GENERAL PURPOSE

### **P 95 B · PERATEX · PERECON**

These 95% magnesia class brick are typically used as permanent safety or back-up lining brick for steelmaking vessels and middle glass tank checkers. The products contain a special additive to achieve improved hydration resistance.

### **HARKLASE**

HARKLASE is a general purpose brick made from high purity, more refractory raw material. The magnesia content is 98%.

## HIGH PERFORMANCE

### **OXILINE H**

This high purity dicalcium silicate-bonded brick was developed for BOF and EAF working linings and it is typically supplied with tar impregnation in order to improve slag resistance. OXILINE H is most chemically compatible with high lime-to-silica ratio shops. It is also commonly used to line glass tank regenerator walls, crowns, or checkers.

### **OXILINE H SR**

This brand is a spall resistant version of OXILINE H.

### **COELEX 98**

COELEX 98 is a brick that offers low total lime and silica (1.1%) and a high lime-to-silica ratio that results in a product with a very high level of refractoriness. It is primarily used to line glass tank regenerator walls, crowns, and checkers. COELEX 98 also has excellent resistance to alkali attack.

# REBONDED FUSED MAGNESITE-CHROME BRICK

## GENERAL PURPOSE

### **GUIDON · GRFG 100**

**GUIDON** and **GRFG 100** are made from 100% fused magnesia-chrome grain. The use of high density-low porosity grain produces brick with superior slag resistance as compared to direct-bonded magnesite-chrome brick. *The brick are used to line the high wear areas of electric arc furnaces, RH degassers, and nonferrous furnaces where improved slag resistance is required.*

### **GRFG · GRFG 50**

GRFG contains chrome ore and magnesia to improve thermal shock resistance. GRFG 50 is an economical brand contains 50% fused and can be used as an economical upgrade for direct-bonded brick in less severe slagging conditions.

### **GUIDON LS**

The increased chrome content is used to achieve *improved slag resistance to acid slags.*

## HIGH PERFORMANCE

### **GUIDON X · EXCELINE FG 95**

**GUIDON X** and **EXCELINE FG 95** are made from 100% fused grain with enhanced chemistry (very low lime, very low silica) for superior slag resistance. Due to their enhanced chemistry, these brands are also characterized by high hot strength at 2700 °F (1482 °C) and excellent hot load properties. Their porosity values are lower than general purpose brands. **GUIDON X** and **EXCELINE FG 95** are used to achieve improved slag resistance over **GUIDON** or **GRFG 100** in *electric arc furnace slaglines, RH degassers, and nonferrous furnaces.*

### **EXCELINE FG 50**

This product is similar to **GUIDON X** and **EXCELINE FG 95**, but contains 50% fused grain. This product can be used when thermal shock resistance is required in addition to excellent slag resistance.

**GREENFREE**

**RESCOMAG**

**HOTZONE**

**NUCON**

**DIBOND**

**KRILINE**

**KRILEX**

**NULINE**

**MAXLINE**

**NOVUS**

**EXCELINE**

**OXILINE**

**HARKLASE**

**BASIC  
BRICK**

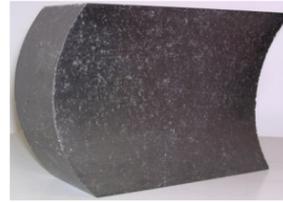
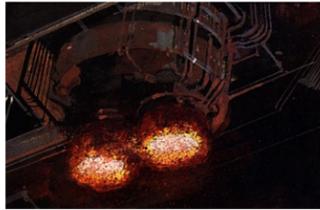
AN AMERICAN-OWNED  
REFRACTORY COMPANY



# BASIC BRICK

## Magnesia-Carbon

RESCO produces a complete line of resin-bonded magnesia-carbon brick at the ISO-certified Hammond, Indiana plant. These brick contain carbon (from 5 to 20%), sintered or fused magnesia of varying purity, and powdered metals if required for oxidation resistance. The brands are produced under two family names. We offer a series traditional mag-carbon brick with the brand name of Nuline, and we now offer our new series of brick called MaxLine.

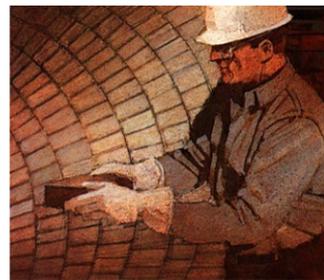


MAXLINE 10



## Magnesia-Spinel Brick

A complete line of magnesia-spinel brick are produced at our ISO-certified Marelán Plant. These brick are mainly used to line kilns in the pulp and paper and cement industries. All magnesia-spinel brick are chrome free products made from magnesite, alumina, and spinel grain. Selected brands contain fused grain for improved erosion and corrosion resistance. Our magnesia-spinel brands include **GREENFREE**, **GREENFREE 92**, **RESCOMAG 85**, **RESCOMAG 92**, **RESCOMAG 92 FMS**, **HOTZONE 85 SP**, AND **HOTZONE 93 SP**.



### **RESCOMAG HF**

RESCOMAG HF is a burned, high purity spinel-bonded magnesite brick. This product is designed to line Vacuum Induction Melting (VIM) furnaces. RESCOMAG HF is characterized by a very low flux content (lime plus silica and iron oxide) of less than 2%.

## DIRECT-BONDED MAGNESITE-CHROME BRICK

### GENERAL PURPOSE

**NUCON 60** · **NUCON 60 (15-87)** · **DIBOND 60** · **KRILINE 65**

These general purpose 60% magnesia-chrome brick are typically used to line low wear areas of EAF, RH degasers, steel ladle slaglines, and various non-ferrous furnaces. These products are characterized by good hot strengths and thermal shock resistance. These products also have good erosion/corrosion resistance to basic and moderately acidic slags.

#### **NUCON**

NUCON is a 70% magnesia class direct-bonded magnesite-chrome brick. Typically, NUCON is used as an upgrade over 60% magnesia brick where lime-rich slags are present.

#### **NUCON 80**

NUCON 80 is an 80% magnesia class direct-bonded magnesite-chrome brick. It is typically used as an upgrade over 60 or 70% class brick for improved erosion/corrosion resistance by lime-rich slag.

### HIGH PERFORMANCE

**NOVUS 20LC** · **KRILEX 621-2** · **EXCELINE FG**

These brands are made from higher purity, more refractory raw materials. These brick are characterized by higher hot strength at 2700°F (1480°C), lower porosity, and less total lime and silica content than general purpose direct-bonded magnesite-chrome brands.

## CHROME-MAGNESITE BRICK

### GENERAL PURPOSE

**NUCON 50** · **KRILEX 50** · **KROMAG**

These general purpose direct-bonded, 50% magnesia class brands are typically used as permanent safety lining brick for steel and non-ferrous applications. NUCON 50 and KRILEX 50 are also used as lower checker brick in glass tanks and regenerator wall and crown construction.

### HIGH PERFORMANCE

**NOVUS VL** · **NOVUS X**

These unique direct-bonded chrome-magnesite brick are made from more refractory and higher purity raw materials than the general purpose brands. These brands are most commonly used in heavy non-ferrous metallurgical furnaces. Both NOVUS brands are designed to have excellent erosion/corrosion resistance to high silica-content slag (e.g. fayalite) common in primary copper processing or nickel processing slags.

## SILICATE-BONDED CHROME-MAGNESITE BRICK

### GENERAL PURPOSE

**CRB-20**

This silicate-bonded chrome-magnesite brick is used for permanent back-up linings in non-ferrous furnaces.