

## **EBT FILLER SAND**

### **General Features**

\_\_\_\_\_

Easy opening tap hole. Opening ratio 99% Sinter-Free
High MgO content up to 51%
High melting point and refractoriness up to 1760°C
Improves the uidity of the molten metal Contribute the clean steel casting





### **GRAIN SIZES (MM)\*:**

1-5 | 3-6 2-5 | 3-7 2-6 | 3-8 2-7 | 4-8

2-8 | 4-9

\*CAN BE PRODUCED IN DIFFERENT SIZES & PACKAGING TYPES

Adab Buisiness Center Semnan Industrial Zone Iran

Tel: +98 2333653692 WA: +98 9124311007



# **TUNDISH SUPPORT SAND**

### **General Features**

DEAL REFRACTORY MATERIAL FOR TUNDISH COATING BETWEEN INNER AND OUTER LAYERS

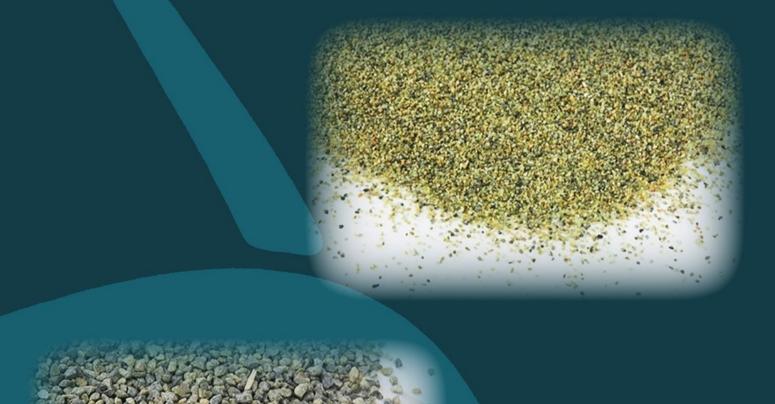
HIGH RESISTANCE FOR HIGH TEMPERATURES AND THERMAL SHOCKS

HIGH THERMAL INSULATION CAPASITY AND LOW THERMAL EXPANSION

PROTECT THE LAYERS OF THE TUNDISH COATING AND REDUCES THE MAINTENANCE AND REPAIR COSTS

Prevent the mechanical problems with low water absorbtion <2%

**E**ASIER DISASSEMBLY OF THE TUNDISH PLATES



Grain sizes (mm)\*:

0-1

0-3

\*Can be produced in different sizes & packaging types

Adab Buisiness Center Semnan Industrial Zone Iran Tel: +98 2333653692 WA: +98 9124311007



# **FOUNDRY SAND**

#### **General Features**

Sinter point over 1350°C

Improving surface nish especially in manganese steel casting.

**Reduces the surface grinding costs** High thermal shock resistance ,low thermal expansion

Disallow reaction with steel and penetration of molten metal.

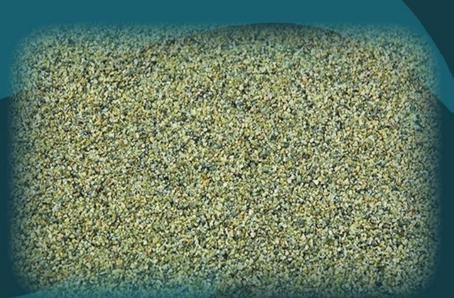
High quality clean casting

Improve the bonding with clay usage, reduces the amount of requirement bentonite **Alkaline characteristic** 

Provides gas permeability and vapour outlet High reusage ratio

**Environment friendly.No free silica Economical solution in comparison with zircon** and chromite





### Grain sizes (mm)\*:

AFS 30-35 **AFS 40-45** AFS 50-55 AFS 60-65 **AFS 70-75 AFS 80-85** 

\*Can be produced in different sizes & packaging types

Adab Buisiness Center Semnan Industrial Zone Iran

Tel: +98 2333653692 WA: +98 9124311007

Website: www.chemkraft.ir Email:info@chemkraft.ir



# **REFRACTORY SAND**

### **General Features**

Natural refractory material over 1350°C High MgO content up to 51%

High melting point and refractoriness up to 1760°C

High thermal shock resistance Low thermal expansion

High mechanical and thermal performance Low impurities and LOI <2%

**Low moisture and water absorbtion <1%** 





### **Grain sizes (mm)\*:**

1-5 | 3-6 2-5 | 3-7 2-6 | 3-8 2-7 | 4-8 2-8 | 4-9

\*Can be produced in different sizes & packaging types

**Adab Buisiness Center Semnan Industrial Zone Iran** 

Tel: +98 2333653692 WA: +98 9124311007



## **OLIVINE AS SLAG CONDITIONER**

#### GENERAL FEATURES

FOR PRODUCTION SINTER AND PELLET REDUCES THE SLAG VISCOSITY

HIGH MGO CONTENT, ABSOBRS PHOSPHORUS AND AND SULPHUR AND REMOVE FROM THE MOLTEN METAL

BETTER ALKALINITY AND UIDITY FOR THE SLAG AND KEEPS ITS UIDITY

Reduces the sinter temperature down below approximately 100°C

**COKE CONSUMPTION REDUCES** 

More productive than uorspar<2%

Harder sinter products are obtained. No need to give mixture back to sinter < 1%

Less fuel consumption causes less air/sinter amount requires.

Less raw material needs < 1% Less slag obtained
Fuel consumption in the furnace down below over 7%
Advantage in burden permeability and gas-solid
contact

Less dust lost
Increase CO evolution and controls Si and Mn
reduction are more precise





Grain sizes (mm)\*: 0-3 | 0-4 10-30 | 10-40

\*Can be produced in different sizes & packaging types

Adab Buisiness Center Semnan Industrial Zone Iran Tel: +98 2333653692 WA: +98 9124311007



# **OLIVINE AS ABRASIVE SAND**

### **GENERAL FEATURES**

HARDNESS 6,50 – 7,50 (Mohs) Angular Grain Structure

IDEAL ABRASIVE WITH ITS HARDNESS AND ANGULAR SHAPE NO CHLORIDE CONTENT. PREVENT CORROSIONS AND COHESIONS

No oxidation. Fe2SO4 in structure doesn't react with oxygen inside water and air

Provides painting life after surface cleaning No free silica. Doesn't cause silicosis.

**ENVIRONMENT FRIENDLY** 

IMPROVES THE SURFACE CLEANING VELOCITY AND SAVINGS

ON TIME

HIGH EF CIENY OF SURFACE CLEANING





#### Grain sizes (mm)\*:

1-5 | 3-6 2-5 | 3-7 2-6 | 3-8 2-7 | 4-8 2-8 | 4-9

\*Can be produced in different sizes & packaging types

Adab Buisiness Center Semnan Industrial Zone Iran Tel: +98 2333653692 WA: +98 9124311007



# **TECHNICAL SPECS**

### **CHEMICAL ANALYSIS**

	WT %
MgO:	46,00 -51,00
SiO2:	39 - 42
FeO:	6,90 – 8,75
Others (Al, Cr, Ni, Mn	<2
Oxides):	
Loss On Ignition (LOI)*:	<1.9
Conductivity in Water:	<25 mS / m
Chlorine in water:	<0,0025%
Relative Humidity (%):	<0,50

<sup>\*1000</sup> Degrees Centigrade, 30 min

### **Mineralogical & Physical Properties**

Synonyms:	Dunite
Colour:	Pale Green
Grain Shape:	Sharp, angular
Specific Gravity:	3.3 g / cm3
Bulk Density:	1,45 – 1,75 g / cm3
Hardness:	6-7 Moh's scale
Melting point:	1760 Deg. Centigrade
Initial Sintering:	1450 Deg. Centigrade
PH:	8.9 – 9.5

Adab Buisiness Center Semnan Industrial Zone Iran



