

DRI-BARRIER MIX

DRY CATHODE BARRIER MATERIAL

In the presence of cryolite, Dri-Barrier Mix is designed to form a viscous layer on its surface which prevents further penetration. The freezing isotherm sustained in Dri-Barrier Mix decreases the attack on the other insulating materials.

TECHNICAL DATA

Thermal Conductivity			
°C	°F	W/(m · K)	BTU-in/ft ² /hr°F
204	400	0.43	2.99
427	800	0.51	3.55
650	1200	0.59	4.12

Linear Change on Heating		
°C	°F	%
110	230	Nil
815	1500	volume stable

RECOMMENDED USE

Dry weight of material required to cover 1 m² (1 ft³)
1.84–1.92 kg
115–120 lb

APPLICATIONS

- Firebrick replacement
- Bedding material
- Sealant for collector bars

ADVANTAGES

- Reduced cryolite consumption
- Easily installed in any cathode design
- Non wetting
- Reduces bottom shell temperatures
- No joints or cracks
- No curing time
- No bedding mix required
- Minimizes chemical attacks on insulating materials beneath mix
- No steam evolution through the monolithic area

AVAILABILITY

- Bulk sacks: 100 kg (220 lbs)
- Bags: 25 kg (55 lbs)
- 40 bags per pallet

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

REGIONAL HEADQUARTERS

EUROPE/RUSSIA/MIDDLE EAST

Czech Republic (420) 516-527-111
Germany (49) (0)2182-81020
Italy (39) 010-846-8627
Russia/CIS (7) 495-230-71-63
Sweden (46) (0)534-62000
Spain (34) 976-222-545
Switzerland (41) (0)27-455-8264
United Arab Emirates (971) (0)4-883-77-00
United Kingdom (44) (0)1 908-561155

AFRICA

(27) (0)35-797-4039

ASIA

(86) 755-26632324

AUSTRALIA

(61) (0)2 9631-1333

CANADA

(819) 477-0734

INDIA

(91) 2137-668000

JAPAN

(81) (0)78 265-5590

NEW ZEALAND

(64) (0)9 272-2056

SOUTH AMERICA

(55) 11-4786-5233

Product Type: 157

Commodity Code: 10001