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/ft²/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 m^2 (1 ft^3)
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.

Product Type: 157

Commodity Code: 10001

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