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Xerafy Bric
EPC UHF RFID Metal Tag

The Bric is designed to be mounted on or embedded in concrete for RFID construction and building materials. The Bric tag can be attached by cable ties to metal support rods before cement is poured and is able to withstand the heat and pressures of the curing process, making it ideal for extreme RFID applications. The Bric is IP68 and can achieve an impressive read ranges even when fully encased in concrete.

Features:

- Can be mounted or embedded in concrete
- Withstands impact, heat and pressure
- IP68 rating for harsh use
- Works on and off metal

Applications:

Facility management

Logistics management

Work in progress

Bric

P/N: X1121-US100-H3 / X1121-EU100-H3

The Bric is specifically designed for the construction industry and can perform well under extreme conditions such as high impact.

Specifications:

EPC Class 1 Gen 2 (ISO 18000-6C)	512-bit user memory
Passive UHF RFID transponders	64-bit TID; 96-EPC bits, extendible to 480 bits
Frequency:	902-928 MHz (US), 866-868 MHz (EU)
Dimensions/ tolerance (mm):	70 x 32 x 11 (+/- 0.5)
Dimensions / tolerance (in):	2.75 x 1.25 x 0.43 (+/- 0.02)
Weight:	0.85 oz (24 g)
Read range on metal (2W ERP):	Up to 19 ft (6 m)
Read range off metal (2W ERP):	Up to 13 ft (4 m)
Read range in concrete; depth 2 in (5 cm):	Up to 6.5 ft (2 m)
Operating temperature:	-40°F to +185°F (-40°C to +85°C)
Application temperature:	-40°F to +194°F (-40°C to +90°C)
Attachment:	Mounted on or embedded in concrete
IP rating:	IP68
Compliance:	RoHS, CE

1. Stated performance based on standard testing, read range may vary dependent on hardware and power.
2. EPC and user memory reprogrammable, unique TID locked at point of manufacture.

RoHS 2002/95/EC CE