

CRYOTHERM® - BOND

Powder Gas/Carburizing

Bond coat alloy for all metals (except pure copper).

FEATURES

- Produces metallurgical bond
- Low preheat temperature
- Bonds at low temperature
- Easy to use
- Minimal preparation
- Excellent on all types of cylindrical surfaces - shafts, journals, bearings, etc.

CHARACTERISTICS

CRYOTHERM-BOND is the key component of the Cryotherm process which permits rebuilding of worn or undersize cylinder parts without the usual dangers of distortion, warping or metallurgical changes in the base metal.

Used with the Cryotherm torch to prepare for final coating **CRYOTHERM-BOND** is easy to use even for inexperienced operators, yet the results are uniformly excellent.

TECHNICAL

Macro Hardness RB 65
Density 7.2 g/cc

Spray Coverage
5m²/Hr/.1mm
23 Ft.²/Hr/.01"

CRYOTHERM® - AB

Powder Gas/Oxidizing

Low-friction finish coat for bearing surfaces on all metals (except pure copper).

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FEATURES

- Bonds at low temperature
- Low friction surface
- Excellent heat conduction
- Retains lubrication
- Wear resistant aluminum bronze structure
- Hardness RB 50
- Superior machinability

CHARACTERISTICS

CRYOTHERM-AB is a wear-resistant, highly machinable powder alloy which is perfect for applications where a true bearing surface is required. The aluminum bronze structure of **CRYOTHERM-AB** provides a deposit which is self-lubricating, resists galling, and has excellent thermal conductivity.

TECHNICAL

Macro Hardness RB 50
Density 6.0 g/cc

Spray Coverage
6m²/Hr/.1mm
28 Ft.²/Hr/.01"

Can be used in any compatible cold spray torch.