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ZBN Release

Zirconium Oxide Plus Boron Nitride, Providing Thermal Insulation and Mold Release

ZBN Release contains Zirconium Oxide (ZrO_2) for thermal insulation along with Boron Nitride (BN) for best mold release with permanent mold or low pressure casting. With ZBN Release, only one single coating provides all you need.

ZBN Release is ready-to-use or can be diluted with water if needed.

Key Attributes

- Thermally insulating with mold release
- Provides nonwetting, non-stick, release, lubrication
- Can be used as is or diluted with water as desired
- Water-based, safe and easy-to-clean-up

Ideal Use

- Permanent Molds
- Low Pressure or Gravity Die casting

Use Notes

1. Resuspend if needed. Can dilute with water.
2. Clean surfaces to be painted of any oils dirt, scale, etc.
3. Apply 1-3 layers by brush or spray like ordinary house paint, drying after each layer.
4. Allow to dry thoroughly at room temperature before use.

Safety Information

- Consult SDS before use.
- Avoid freezing.
- Avoid breathing of spray/vapors.
- For Industrial Use only.



Specifications

Active Ingredient	ZrO_2 , BN
Max Use Temperature	Air 1832 F / 1000 C
Use Atmosphere	All
Fired Composition	Proprietary
Liquid Carrier	Water
Binder Phase	Silicate
Brookfield Viscosity (cps)	2300 @4/60
Specific Gravity	1.5
Color	Blue
Shelf Life (months)	>12
Coverage (ft ² /gal)	100 to 400
Coating pH	9-10
H F R Ratings	1-0-0
Substrate Use	All

NOTE: For enhanced release, blend with BN Releasecoat or BN Type M at around 50% by weight.

Sizes and colors

ZBN Release is a blue colored paint.

Standard Size: 1 gallon or 5 gallon pail

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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