



120 Valley Court
Oak Ridge, TN 37830
Ph: 865-482-5717
FAX: 865-482-1281
zypcoatings.com

EasyRelease RBN Concentrate

Highly Dilutable Release Coating of Boron Nitride

EasyRelease RBN Concentrate is a water-based concentrate of Boron Nitride (BN). Highly reducible with water even to 4:1 water-to-concentrate, the resultant diluted paint is nearly neutral pH with minimal settling and easy paintability to provide good non-wetting and release with molten aluminum and its alloys and drosses.

EasyRelease RBN Concentrate is usable on all substrates and with all atmospheres to 1000 C.

Key Attributes

- Reducible with water to 3:1 or 4:1 water-to-concentrate ... most dilutable of our coatings
- Provides non-wetting/non-reaction with molten Aluminum and its alloys/drosses
- Promotes uniform flow
- Use temperature to 1000 C in all atmospheres
- Good release coating on all substrates (ceramics/graphite/metal): extends refractory lifetime
- Water-based, easy-to-use and cleanup

Ideal Use

- Economical nonwetting coating
- All liquid metal processing and transport systems
 - Crucibles/molds/ladles/skimers
 - Launder/runners/spouts/pins
 - Troughs/tubes/boxes/caster tips
 - Ceramic-foam-filters/degassers
 - Dross presses
- Barrier layer between parts

Use Notes

1. Re-suspend if needed. Coating generally is minimal settling as the concentrate or diluted.
2. Reducible with water to 3:1 or 4:1 water-to-concentrate (i.e., highly dilutable)
3. Clean surfaces to be painted of any oils, dirt, scale, etc.
4. Apply a thin layer by brush, dip, or air-spray.
5. Allow to thoroughly dry before use



Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F/1000 C
	Inert/Vac 2372 F/circa 1300 C
Fired Composition	
	Major = BN; Al ₂ O ₃ /Mg-Si-O
Liquid Carrier	Water
Binder Phase	Proprietary
Brookfield Viscosity	Thick paste
Specific Gravity	1.15
Color	Blue
Shelf Life (months)	>12
Coverage (ft ² /gal)	>= 400 as diluted
Coating pH	Near neutral
H F R Ratings	1-0-0
Substrate Use	All

Sizes and colors

EasyRelease RBN Concentrate is a blue paint.
Standard size: 1 gallon pail

Safety Information

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

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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