



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

RepelKote

Economical Non-Wetting Boron Nitride Formulation

RepelKote is an economical water-based Boron Nitride coating that repels molten Aluminum and prevents adhering and sticking to transport refractories. The coating is designed to be diluted with water as desired. RepelKote is compatible with mild steel and cast iron substrates as well as ceramics.

Key Attributes

- Economical Coating that Repels Molten Metal
- Provides Release/Non-Wetting/Non-Sticking with Molten Aluminum and its Drosses
- Good Adherence to All Substrates
- Readily Dilutable to 2:1 Water-to-Coating or more
- Easily Applied, Like Ordinary Housepaint
- Water-Based, Safe, Easy to Clean Up

Ideal Use

- Where economy is foremost
- All molten metal transport components.
- Whenever a diluted coating is desired.
- For ease of release of metal from substrates after flowing/casting

Use Notes

1. Resuspend if needed.
2. Use full strength or dilute as desired with water. A common dilution is two parts water to one part paint.
3. Clean surfaces to be painted of any oils dirt, scale, etc.
4. Apply 1-3 layers by brush, dip, or spray like ordinary house paint, drying after each layer.
5. Allow to thoroughly dry before use.



Specifications

| | |
|---------------------------------|-------------------|
| Active Ingredient | BN |
| Max Use Temperature | Air 1832 F/1000 C |
| Use Atmosphere | All |
| Liquid Carrier | Water |
| Brookfield Viscosity (cps) | Thick paste |
| Specific Gravity | 1.1 |
| Color | Cream-Peach |
| Shelf Life (months) | >12 |
| Coverage (ft ² /gal) | 100 to 400 |
| Coating pH | Near Neutral |
| H F R Ratings | 1-0-0 |
| Substrate Use | All |

Sizes and colors

Standard Size: 5 gallon pail.
Cream-Peach is a permanent, stable-ceramic pigment color.

Safety Information

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

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

ZYP Coatings, Inc. (ZYP) makes no warranties, express or implied, including the warranty of merchantability or fitness for a particular service. Product is for industrial/commercial use only. Users should determine suitability for their use. In no event will ZYP be liable for any direct, indirect, incidental, special or consequential damages or losses including, but not limited to loss of profits, in any way related to this product regardless of the legal theory asserted. Teflon® - reg. trademark of DuPont.