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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.

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