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BN SiloxyKote DMX Powder

Instant Solvent-Based Boron Nitride – Silicone Coating with Enhanced Adherence DMX is a dry mix that forms paint by just adding your own solvent liquid

BN SiloxyKote DMX Powder can be made by anyone to a liquid paint coating by merely adding your own solvent liquid and mixing to create your own solvent-based coating which will have uniform, tough/adherent bonding to all substrates and in all atmospheres to over 800 C (1472 F).

Key Attributes

- Instant BN-based coating made from DMX by filling container with your own solvent and mixing
- Simple application with brushing, dipping, or air-spraying
- Readily cleaned up with common solvents

Ideal Use

- Reaction-Barrier Layer with Solid or Molten Materials
- Providing Release

Use Notes

1. Add solvent to the container of powder. Ethyl Alcohol is preferred. Isopropyl Alcohol (70-100% IPA) may be used or mixed with Ethanol. Acetone can be added up to about 1/3 by weight of the solvent to speed up the drying of the coating, if desired. If the container is fully filled with solvent, the coating will be relatively thin, so it may be best to (at first) partly fill the container and mix well to get to a desired viscosity and paintability. DO NOT ADD WATER.
2. Mix vigorously until uniformly suspended. A better option, if available, is to mix the powder and solvent using a drill mixer or paint rollers. Leave overnight if possible and re-shake/re-suspend before using. The coating will tend to settle out with sitting awhile, so remixing to make sure the solids are uniformly suspended is suggested: make sure there is no sediment on the bottom of the container by stirring with a spatula.
3. Clean surfaces to be painted of any oils, dirt, scale, etc.
4. Apply with brush or dip-coat or air-spray and allow to dry completely (generally only a few minutes).
5. If desired, recoat and dry.

Safety Information

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



Specifications

Active Ingredient	BN/SiO ₂
Use Temperature	> 800 C / > 1472 F
Use Atmosphere	All
Liquid to add or dilute with	Ethanol/Acetone (Ethyl Alcohol, preferred, with 1/3 Acetone by weight for faster drying: 70-100% Isopropyl Alcohol (IPA) can be used but can lead to a rubbery coating unless mixed with Ethanol)
Binder Phase	Silicone Resin
Color	White
H F R Ratings	1-0-0
Substrate Use	All

OTHER INFORMATION:

The solvent-to-powder ratio is 5:1 by weight if the container containing the powder mix is fully filled with solvent, and the coating will be relatively thin if this much solvent is added. If the solvent is not added to fully fill the container, thicker, more viscous paint results. This may be acceptable or desirable for some applications

Sizes and colors

BN SiloxyKote DMX Powder is white powder, making a white paint with solvent addition.
Standard sizes: 1 quart wide-mouth container with correct powder amount such that, when filled with solvent makes this volume of paint material

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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