



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

# NovaMix LC Powder Instant Paint

## NovaMix LC consists of a dry powder mixture that forms paint by just adding water and mixing

NovaMix LC powder made as liquid-paint coating provides a ceramic layer which is generally unreactive and nonwetting with molten nonferrous metals/alloys. The coating bonds readily to ceramic, metal, or graphite substrates. NovaMix LC performs almost as well as our ready-to-use coating equivalent, BN Lubriccoat.

### Advantages

- No worries about freezing
- Economical: shipped as powder, which avoids shipment cost of heavy water-based paint
- Easily made into paint by the user: add water and stir or mix until uniform
- Easily applied after making into liquid-paint: use like housepaint
- Ease of application: gray during first application for enhanced visibility [Note: turns white after heating to above 700 C in air]

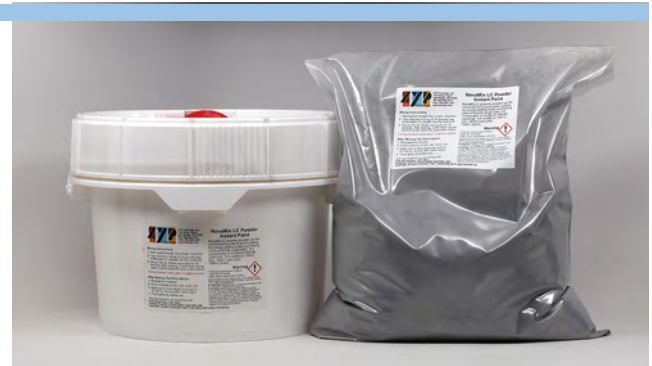
### Powder-to-Paint

This formulation is sold in a sealed plastic bag of powder with the amount to add to 1-gallon of water, and yields approximately 1.4 gallons of paint.

1. In a clean 2 gallon or larger container, add one gallon of water (3.8 kg/8.3 pounds)
2. Add the contents of the bag of powder
3. Secure the lid. Shake vigorously for 30 seconds. After shaking, a drill mixer can be used to further blend the paint until uniform.
4. Clean surfaces to be coated of any oil, dirt, scale, etc.
5. Apply one or more layers by brush or spray, like ordinary house paint, drying after each layer.
6. Allow to thoroughly dry before use. The coated part can now be placed into service.

### Safety Information

- Consult SDS before use.
- Avoid breathing of dust.
- For Industrial use only.



### Specifications

Active Ingredient	Boron Nitride
Binder	Proprietary
pH with Water	3
Color	Gray
Use Limits	Air 1832 F / 1000 C Vac 2552 F / 1400 C Inert 3272 F / 1800 C

### Handling Information

Shelf Life (months)	Indefinite - Avoid getting wet before use
Storage information	No problems with freezing or heating Do not contaminate
Cleaning	Readily cleaned up with water
Dilution	As desired with water

Note that Isopropyl Alcohol (IPA) can be added to the NovaMix LC paint to reduce any freezing tendency of the resulting paint. Less than 30 wt% IPA is recommended.

**NovaMix LC: Mix 2 parts powder to 3 parts water by weight [40 wt% powder]**

### Sizes and colors

Product is fine gray powder.

#### Standard Products:

1. 2.52 kilogram bag, makes about 1.4 gallons of paint;
2. "Kit" of 2.52 kg powder in two gallon pail with screw-on lid for creating instant paint;
3. 2-gallon pail/lid **without** powder to be used for mixing

### CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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