



Technical Data Sheet

Date of issue	Revision date	Version
22/11/05	29/04/10	4d
Product code	Product name	
NM-	Night MoveZ	

Before you begin.

Read instructions thoroughly. These products are for professional use only and not recommended for use by the unskilled or novice painter.

This data sheet has been prepared to inform our customers about the products properties. Since we cannot control the application or preparation, the user should make tests to check the suitability of the product. This data sheet cancels and replaces earlier editions.

Surface preparation must be properly carried out prior to painting; DNA® cannot accept any responsibility for existing primer, old paint, or other variables. Always use a spray painting booth, a quality compressor, breathing apparatus, suitable spray painting equipment and wear the correct protective clothing. DNA® does not recommend painting in cold temperatures (below 21° C) or mixing and using incompatible products, possibly from other manufacturers, which may cause problems.

The Data on this sheet is given in good faith and intended to be a general guide only. DNA® offers no warranties of whatever nature express or implied as to merchantability or fitness for a particular use. DNA® shall not accept liability for any specific or consequential damage as a result of using these products unless otherwise agreed to in writing. DNA® shall only replace the defective product, or, at its sole discretion refund the purchase price. DNA® shall not accept liability as a result of any failure of the applicator, lack of preparation or use of other materials.

Always spray out a test panel, noting the exact product ratios, application method and techniques employed. Only proceed to the job when you are satisfied that the color and finish are correct and in the identical manner as previously tested.

1. Description: Night MoveZ™ is a next generation Strontium Aluminate glow in the dark powder that can be mixed in DNA® Diamond Clear™ or 'FX' Inter Coat™ for an intense effect. Night MoveZ™ may be applied by spray gun, roller or brush and is used extensively in manufacturing processes.

The duration of glow is directly dependant on the length and intensity of the charge, unlike similar products that stop glowing after a few months; Night MoveZ™ is made using the latest technology of Alumina-Silicate crystal and is specially formulated with other rare materials. These crystals do not disintegrate for many tens of years either in free form or in most matrices such as polymers and ceramics. The powder is chemically stable, temperature resistant and suitable for many paint and special effect or safety applications as well as most plastic molding and extrusions.

These long lasting powders can be used in many areas of building, manufacturing, printing, appliances, safety applications and simply for show. Night MoveZ™ is able to be mixed with acrylic, polyester urethanes polypropylene, epoxy, PVC and polyethylene (HDPE, LDPE etc.) polymers. Night MoveZ™ can be extruded, molded, dipped and cast.

Glow times will vary depending upon your choice of color and may glows for up to 10 or more hours.

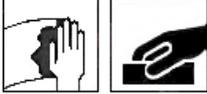
2. Product Data:

Theoretical coverage :	Will vary on desired mix, intensity and carrier used.
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 website: www.dna-paints.com **WARNING: If you do not understand anything contact your distributor**

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3. Substrates & Preparation:

	<p>Surface must be chemically clean and dry. The surface must be cured and sanded and any basecoat has been prepared and painted in accordance with the relevant DNA® paint guidelines and procedures.</p>
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4. Application:

<p>A. <u>Mixing Ratio/Reduction</u></p> 	<p><i>Dry Application:</i> DNA® Dry Flake Gun™ no mixing required.</p> <p><i>Wet Application:</i> High Definition Inter-Coat™ or FX Intercoat™ Mix up to 20% by weight and reduce to spray.</p>
<p><u>B. Application</u></p>  <p><u>QUICK APPLICATION GUIDE:</u></p> <p><u>Dry Flake Gun Application.</u></p> <ol style="list-style-type: none"> 1. Prepare and basecoat the part with white BaZecoat™. Other colors will work, however lighter shades will result in a longer and more intense glow. 2. Mix Diamond Clear™ and apply one medium coat. 3. While the clear surface is still sticky apply the Night MoveZ™ using the Dry Flake Gun™ 4. Using an air gun or blower, very lightly blow over the surface to help remove any loose Night MoveZ™ powder. 5. Repeat steps 2 - 4 to apply more Night MoveZ™ and reach your desired effect. 6. Apply final coats of Diamond Clear™ to seal and build the surface. <p><u>Wet Application High Definition Inter-Coat™ or FX Intercoat™</u></p> <ol style="list-style-type: none"> 1. Prepare and basecoat the part with white BaZecoat™. Other colors will work, however lighter shades will result in a longer and more intense glow. 2. Mix Night MoveZ™ into High Definition Inter-Coat™ or FX Inter-coat and reduce to spray with basecoat reducer. (Do not over reduce as the Night MoveZ™ will settle faster the more inter-coat is reduced. 3. Apply 3-4 medium coats with a 75% overlap pattern when spraying. Allow plenty of 'flash time' between coats and before clear coating. (This product may give a thick textured finish). 4. Apply your final coats of Diamond Clear™. 	

Detailed Dry Application Guide**Using Dry Flake Gun**

1. Prepare and basecoat the part with white BaZecoat™. Other colors will work, however lighter shades will result in a longer and more intense glow.
2. Mix Diamond Clear™ and apply one medium coat.
3. While the clear surface is still sticky apply Night MoveZ™ from a distance of between 30-50cm with the Dry Flake Gun™ (The cleared tacky surface will only allow so much powder to stick to it. Repeat steps 2 and 3 to apply more Night MoveZ™ and reach your desired effect.).
4. Using an air gun or blower, very lightly blow over the surface to remove any loose Night MoveZ™ powder.
5. Apply final coats of Diamond Clear™ to seal and fill the surface. After allowing the Diamond Clear™ to cure you may sand and re apply more clear for a smoother finish.

Detailed Wet Application Guide**Using High Definition Inter-Coat™ or FX Intercoat™**

1. Prepare and basecoat the part with white BaZecoat™. Other colors will work, however lighter shades will result in a longer and more intense glow. If you add Night MoveZ™ to a pigmented carrier, you will dramatically decrease the brightness and length of glow.
2. Mix Night MoveZ™ thoroughly into your High Definition Inter-Coat™ or FX Intercoat™.
3. Night MoveZ™ pigments are heavy and settling will occur, during spraying agitate the gun cup frequently. Some painters use an agitator cup; otherwise, you will need to constantly agitate the cup during spraying to achieve the best results.
4. Spray immediately after mixing as this product does not store well when mixed.
5. As a general guide, the thicker you layer the Night MoveZ™ Intermediate-Coat, the longer and more intense the glow. Apply 3-4 medium coats with a 75% overlap pattern when spraying. Allow plenty of 'flash time' between coats.
6. Apply your final coats of Diamond Clear™.

C. Spray Equipment:

Dry Flake Gun™
Gravity feed
HVLP

Fluid tip

n/a
n/a

Spray distance

30-50cm
Refer to the technical data sheet of the particular DNA® paint being used.

D. Spray Pressure

Dry Flake Gun™
Gravity feed
HVLP

n/a
n/a

5-15psi

Refer to the technical data sheet of the particular DNA® paint being used.

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<p>E. <u>Flash time</u></p> 	n/a	Refer to the technical data sheet of the particular DNA® paint being used.
<p>F. <u>Cure times</u></p> 	Dust Free Tack Free Tape-Free Dry to Handle	Refer to the technical data sheet of the particular DNA® paint being used.
<p>G. <u>Pot-life</u></p> 	Refer to the technical data sheet of the particular DNA® paint being used.	

5. Cleaning Equipment: After use, clean equipment thoroughly as per TDS for carrier used.

6. Storage Period and Conditions:

Several years when stored in cool, dry conditions

7. Safety: Always wear appropriate safety clothing, gloves, breathing apparatus and observe all safety precautions in relation to Material Safety Data Sheets prior to use of this product.

8. Record Keeping: DNA® recommends that you maintain careful records of the job done as well as other relevant details of the job so that if you need to re-create this or do a repair in the future the information is available. This can easily be placed on a card or maintained on a computer data base and referenced to the repair or job number, customer name and other relevant data to enable easy retrieval.

Note: The Night MoveZ™ pigments have different glow times and may vary for any number of reasons. DNA® does not guarantee that your glow times will be equal due to the amount of pigment used, thickness of application and other factors involved.



Note: Custom painting can be difficult. All products should be fully tested prior to commencing any job to determine suitability, final finish and overall appearance. All information and data provided by DNA® is given in good faith and intended to be a general guide only. DNA® shall not accept liability as a result of any failure or lack of expertise on the part of the applicator, condition of substrates, lack of, or incorrect preparation, use of incompatible materials, equipment failure or use of incorrect equipment or any other reason beyond the control of DNA® and further offers no warranties of whatever nature express or implied as to merchantability or fitness for a particular use or purpose and shall not accept liability for any specific or consequential damage as a result of using these products unless otherwise agreed to in writing. Should a product be defective, DNA® shall replace the defective product, or, at its sole discretion refund the purchase price.

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