



Technical Data Sheet

Date of issue	Revision Date	Version
13/11/05	11/06/13	1.7
Product Code	Product Name	
FS/FH/FM/FC	FlakeZ™	

Stand-out & highly reflective FlakeZ™ produces awesome “BLING” and will make your project stand-out from the crowd. The DNA® FlakeZ™ range allows you to get the right size, color and type of flake for your project. Many colors and sizes to choose from including Metal, Shimmering, Micro, Hologram and Crystal FlakeZ™!

FlakeZ™ Always check that you have the latest TDS



SURFACE PREP

Surface must be suitably prepared, clean & dry



MIXING RATIO

Percentages by weight
50-100µm - 5-6%
150 - 375µm – 10-12%
1000-1500µm – Dry application



NUMBER OF COATS

Apply until desired effect is achieved.



CONVENTIONAL - GUN SET UP

1.4~2.5 Fluid tip
10~20 cm Spray distance
20~45 psi Air pressure
15~25 cm Fan size



HVLP - GUN SET UP

1.4~2.5 Fluid tip
10~15 cm Spray distance
10~15psi at the cap
15~25 cm Fan size



DRY FLAKE GUN- GUN SET UP

20~30 cm Spray distance
10~15psi at the cap



CURE TIMES @ 25°C

See relevant TDS



THEORETICAL COVERAGE

Will vary on desired mixing ratio and carrier used.



POT LIFE

Not Applicable



SPRAYING VISCOSITY

Not Applicable



SAFETY

Always wear appropriate safety clothing, gloves, breathing & apparatus



MSDS

Observe all safety precautions in relation to this products Material Safety Data Sheet



CLEAN UP

Clean equipment with Gun Wash, Reducer or Thinners

QUICK APPLICATION GUIDE:

Dry Flake Gun Application For Large Flakes

1. The Dry Flake Gun method is generally recommended for FlakeZ™ 375-1550µm in size.
2. Correctly prepare substrate with desired DNA® BaZecoat™.
3. Correctly mix and apply Diamond Clear™ refer to Diamond Clear™ TDS.
4. While the Diamond Clear™ surface is still wet apply the desired FlakeZ™ using the Dry Flake Gun™ until desired coverage is achieved.
5. Using an air gun or blower, very lightly blow over the surface to help remove any loose FlakeZ™.
6. Apply final coats of Diamond Clear™ to seal the FlakeZ™

Wet Application High Definition Inter-Coat™ For Smaller Flakes

1. Wet application method is generally recommended for FlakeZ™ 50-375µm in size depending on gun tip available
2. Correctly prepare the substrate with desired DNA® BaZecoat™.
3. Thoroughly mix FlakeZ™ into High Definition Inter-Coat at desired percentage. It is recommended that some test samples be sprayed out to determine percentage.
4. Apply the High Definition Intercoat, refer to the High Definition Intercoat TDS. Apply until desired effect is achieved
5. Apply your final coats of Diamond Clear™.

DETAILED APPLICATION GUIDE:**CLEANING**

Thoroughly clean the surface using a wax and grease remover such as DNA® wax & grease remover and finish with DNA® Prep Clean X™

PREPARATION

Sand using P500-800 wet or dry. Clean with DNA® Prep Clean X™ or DNA® wax and grease remover if required.

SUBSTRATE

Correctly prepare the substrate and apply with DNA® BaZecoat™ of your desired colour.

APPLICATION

For FlakeZ™ sizes 50-375µm it is recommended that the High Definition Intercoat method be used. For larger FlakeZ™ 375-1550µm it is recommended that the dry flake gun method be used.

GUN SELECTION

≤100µm FlakeZ™ a 1.2-1.4 Fluid Tip is recommended.
100-375µm FlakeZ™ a 1.4-1.8 Fluid Tip is recommended.
>375 µm FlakeZ™ the dry flake gun is recommended.

MIXING

Percentages by weight
50-100µm - 5-6%
150-200µm – 10-12%
375µm – 10-12%/Dry Flake Gun Method
1000-1550 – Dry Flake Gun Method

SPRAYING

Using the High Definition Intercoat or the Dry Flake Gun Method. Apply until your desired effect has been achieved.

BLOWOFF

If using the Dry Flake Gun Method be sure to blow off any loose FlakeZ™ before applying the final coats of Diamond Clear™.

FLASH OFF

Refer to relevant TDS either HDIC or Diamond Clear™.

CURING TIME @ 25°C

Refer to relevant TDS either HDIC or Diamond Clear™.

DIAMOND CLEAR™ - FINAL CLEAR COAT

Refer Diamond Clear™ TDS for full Technical Data Specifications.



After surface has flashed off; apply Diamond Clear™ at 20° - 30° C. Apply two to three medium wet coats. Allow 10 minutes between coats and 15 minutes before baking.

Note: Flow coating maybe required to obtain a smooth finish

Important Information:

- Always check you have the latest Technical Data Sheet
- Always buy enough product to complete the entire job
- Products are for Professional Use Only

Warranty:**DNA will replace any faulty or defective goods.**

You must always spray out a test panel and fully test prior to commencing any job to determine suitability, final finish and overall appearance. Goods are guaranteed for 12 months if stored in cool dry conditions. All information and data provided is given in good faith and intended as a general guide only for use by qualified professional painters and DNA will not accept liability as a result of any failure or lack of expertise on the part of the applicator, condition of substrates, lack of preparation, use of incompatible materials, equipment failure, 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. DNA paints reserves the right to make changes to formulations and on rare occasions batches may have slight variations such as colour or tone, these are not covered by warranty.

If any goods are defective, you must not proceed to the job. Stop work immediately and contact your distributor or DNA Paints and point out the defect.

Any faulty goods must be returned at the customers expense to the distributor or DNA paints with a copy of the original invoice or other proof of purchase to obtain a replacement of the faulty product or a refund for the cost of the goods. The benefits provided to the consumer by the warranty are in addition to other rights and remedies available to the consumer under the law.

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Mandatory Text for the supply of goods: Our goods come with guarantees that cannot be excluded under Australia Consumer Law. You are entitled to a replacement or refund for any major failure and compensation for any reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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