



Technical Data Sheet

Date of issue	Revision Date	Version
30/01/06	11/06/19	1.8
Product Code	Product Name	
DC_-	Diamond Clear™	

Diamond Clear™ is a 2K "HIGH SOLID" clear that is so reflective, deep and glossy we had to call it Diamond Clear™. Tested to meet and exceed custom and show car expectations for showroom gloss, shine and clarity. Diamond Clear™ is UV and chemical resistant, has excellent blend-in promotion and great leveling characteristics to ensure a smooth as glass finish.

Diamond Clear™ Always check that you have the latest TDS



SURFACE PREP

Surface must be chemically clean & dry.



MIXING RATIO

2: Parts Diamond Clear
1: Part FX Hardener
10~20% FX Reducer



NUMBER OF COATS

2 medium wet coats



CONVENTIONAL - GUN SET UP

1.2~1.4 Fluid tip
15~25 cm Spray distance
20~45 psi Air pressure
15~25 cm Fan size



HVLP - GUN SET UP

1.2~1.4 Fluid tip
10~15 cm Spray distance
10~15psi at the cap
15~25 cm Fan size



FLASH TIME @ 25°C

10~15 min between coats
15 min before baking



CURE TIMES @ 25°C

Dust Free: 30 min*
Baking: 40~50min* @ 60°C
*Medium Hardener



THEORETICAL COVERAGE

10~12 m² per litre



POT LIFE

1.5 Hour
*Medium Hardener



SPRAYING VISCOSITY

Ford 4 Cup: 16~18 sec



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

STORAGE

1 Year in cool, dry conditions

QUICK APPLICATION GUIDE:

1. Prepare your surface.
2. 2 medium wet coats or until desired coverage has been achieved.
3. Allow to flash off properly between coats.
4. Bake 40~50min* @ 60°C.
5. Lightly polish if required.

DETAILED APPLICATION GUIDE:

CLEANING



Thoroughly clean the surface using a wax and grease remover such as DNA® Wax & Grease Remover.

SUBSTRATE



For use over DNA® BaZecoats™, Candy Colors™ & other DNA® Special FX products as well as previously base coated substrates that are properly prepared, with the exception of thermoplastic acrylic lacquer and air dry enamel finishes. Surface must be chemically clean and dry.

PREPARATION



If applying over an existing 2K clear coat, sand using P500-800 wet or dry. Clean with DNA® Prep Clean 'X' & wipe dry.

MIXING



Mix Ratio: 2:1 + 10 to 20% reducer
2: Parts Diamond Clear
1: Part FX Hardener*
10~20% FX Reducer
**Hardener should be added first and mixed thoroughly before adding the Reducer.*

SPRAYING



Strain mixed Diamond Clear into paint gun.

Allowing for flash time between each coat apply 2 medium wet coats or until desired coverage has been achieved.

Spray with a 50% spray overlap.

Flash time varies with temperature, FX Hardener and FX Reducer being used.

FLASH OFF@ 25°C

Time between coats
 10~15 min (Fast Reducer)
 10~15 min (Medium Reducer)
 15~20 min (Slow Reducer)
 20~30 min (High Flow Reducer)

POT LIFE @ 25°C

1 hr (Fast Hardener)
 1.5 hr (Medium Hardener)
 2 hr (Slow Hardener)

CURING TIMES**Dust Free @ 25°C**

25 min (Fast Hardener)
 30 min (Medium Hardener)
 60 min (Slow Hardener)

Baking @ 60°C

20~30 min (Fast Hardener)
 40~50 min (Medium Hardener)
 60 min (Slow Hardener)

Air Dry Touch @ 25°C

2 hr (Fast Hardener)

REDUCERS & HARDENERS GUIDE

These all have special properties that allow the most versatility in the hands of the professional painter in order to achieve the best results under varying conditions. For further details, refer to the DNA® Reducer and DNA® Hardener TDSs, Technical Data Sheets.

'FX' Reducer™ Fast, RFXF**'FX' Hardener™ Fast, HFXF**

Application temperature range (10 to 15°C)

Used where you wish to speed up the drying time. Ideal for spot repairs or spraying in cooler temperatures.

'FX' Reducer™ Medium, RFXM**'FX' Hardener™ Medium, HFXM**

Application temperature range (15 to 30°C)

Used where a normal drying time is required. Ideal for general repairs, clear coating and spraying in normal temperatures.

'FX' Reducer™ Slow, RFXS,**'FX' Hardener™ Slow, HFXS**

Application temperature range (25 to >30°C)

Used where you wish to slow down the drying time. Ideal for resprays or spraying in hotter temperatures.

'FX' Reducer™ High Flow, RFXHF

Application temperature range (25 to >35°C)

Used where the slowest drying times are required or when spraying in the hottest temperatures.

High Flow promotes premium leveling that is often required when flow coating** to get a glass like finish off the gun. It is especially designed to provide the perfect surface on which to apply DNA® products such as Virtual Chrome™, HolaChrome™, Black Chrome™, HolaSpeX™, HolaGrafiX™ or where the smoothest finish is required.

**** Flow Coating:** Do not apply flow coat unless existing clear coat has been baked and left to out-gas for a minimum of 48 hours. Additional time will be required if cooler temperatures are experienced during the out-gassing period.

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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