



Technical Data Sheet

Date of issue	Revision Date	Version
30/01/06	30/03/2021	2.0
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 DNA® Diamond Clear™. Tested to meet and exceed 'OEM' standards. DNA® Diamond Clear™ is extremely high gloss, high UV, and chemical resistant, has excellent blend-in properties and great leveling characteristics to ensure a smooth "glass finish".

Always check the [DNA® website](#) that you have the latest TDS ([Technical Data Sheet](#)) and SDS ([Safety Data Sheet](#))

APPLICATION GUIDE:



SDS: Observe all safety precautions in relation to this product. Always wear appropriate PPE such as gloves, spray suit, breathing mask etc.



THEORETICAL COVERAGE: 7-8 sq m per litre approximate.



PREPARATION: If applying over an existing 2K finish, sand using P600-800 wet or P400 dry. Wipe with suitable Tack Cloth.



SURFACE PREP: Thoroughly clean the surface using DNA® Wax & Grease Remover then dry.



SUBSTRATE: For use over DNA® BaZecoats™, DNA® Candy Colors™ & other DNA® Special FX products as well as previously base coated substrates that are properly prepared. Surface must be chemically clean and dry.



MIXING RATIO: 2:1 + 10 to 20% reducer. i.e., 2: Parts Diamond Clear, 1: Part FX Hardener and 10~20% FX Reducer. *Hardener must be added first and mixed thoroughly before adding the Reducer.*



SPRAYING VISCOSITY: Ford 4 Cup 16~18 sec



FILTER: Strain mixed clearcoat into spray gun, use 190-micron filter.



HTE GUN SET UP
1.2~1.4 Fluid tip
15~25 cm Spray distance
35~45 psi Air pressure
15~25 cm Fan size



HVLP GUN SET UP
1.2~1.4 Fluid tip
10~15 cm Spray distance
30 psi at the cap
15~25 cm Fan size



SPRAYING: Spray 2 medium wet coats up to 60 µm, with a 60% spray overlap. Allow for flash time between each coat. After baking allow to fully dry, up to 12 hours, before polishing. Allow 30 days for full cure. **Do not** apply additional clearcoat unless existing clearcoat has been baked and left to out-gas fully. Additional time will be required depending on hardener and reducer speed or if cooler temperatures are experienced during the out-gassing period. If air drying much longer periods, up to three times as long may be required. (Refer notes on Flow Coating)



FLASH OFF @ 25°C:
5~10 min (Fast Hardener)
10~15 min (Medium Hardener)
15~20 min (Slow Hardener)
Note: Longer flash times will be required for subsequent coats to ensure proper solvent outgassing.



CURING TIMES:
Dust Free @ 25°C
30 min Medium Hardener

Air Dry Touch @ 25°C
12 Hr. Medium Hardener

Baking @ 60°C
30~40 min Medium Hardener



POT LIFE:
2 Hr. Medium Hardener



CLEAN UP: Clean equipment with Gun wash, Reducer or Thinners.

STORAGE:
1 Year in cool, dry conditions



FLOW COATING: Is frequently performed by experienced painters for example, to bury graphics or flakes. It is recommended to apply multiple applications, not multiple coats in one application. When applying additional clearcoats, apply 2 coats as you would a final clearcoat allowing proper flash off time. Then dry overnight, flat sand with P600-800 wet or P400 dry then clean surface and repeat the process until the desired thickness has been achieved.



REDUCERS & HARDENERS GUIDE:

'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 (15 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 and is sometimes used when flow coating

Important:

- Always check you have the latest [Technical Data Sheet](#)
- Always buy enough product to complete the entire job.
- If using more than one container of the same colour, always mix all container contents together to ensure consistency of colour
- Products are for Professional Use Only

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

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. Given the many variables, including but not limited to; conditions of substrates, lack of or unsuitable preparation, application or use of product, mixing or straining, use of incompatible materials, different surface preparations, previous coatings and repairs, the effects of storage, equipment failure or use of incorrect equipment, air quality, humidity, or any other reason beyond the control of DNA®, and DNA® reserves the right to make changes to formulations. On occasion batches may have slight variations such as colour or tone, these are not covered by warranty. This is among the many reasons the user must always test the product(s) prior to commencing any job to determine suitability and check in case there is an adverse reaction. You must also always do a spray out test panel to check the final finish and appearance. Furthermore DNA® offers no warranties of whatever nature and will not accept liability because of any failure express or implied as to merchantability or fitness for a particular use or purpose and will not accept liability for any specific or consequential damage because of using these products. If any goods are defective, do not commence the job, or cease work immediately and contact your distributor or DNA®. Any faulty goods must be returned at the customers expense to the place of purchase with a copy of the original invoice or other proof of purchase to be eligible for the replacement of the faulty product or at the discretion of DNA® for a refund of the cost of goods only. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other 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. 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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