



Technical Data Sheet

Date of issue	Revision Date	Version
13/11/05	05/05/2022	2.3
Product Code	Product Name	

VC- Virtual Chrome™

DNA® Virtual Chrome™ represents the ultimate in metalized chrome effect paints. DNA® Virtual Chrome™ is a highly reflective finish. When applied as detailed in this TDS you will achieve a uniquely DNA® Virtual Chrome™ look with great adhesion characteristics. DNA® Virtual Chrome™ offers an exciting chrome-like finish that can be applied to vehicles, wheels, trim components, artwork, plastics, wood, tiles and glass; or almost anything.

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.



SUBSTRATE BLACK: For a true Virtual Chrome-like finish, DNA® Virtual Chrome™ must be applied over DNA® Pure Black II BaZecoat™ that must be clear coated with DNA® Diamond Clear™.



SUBSTRATE 2K CLEAR COAT: DNA® Diamond Clear™ 2K Clear coat over your DNA® Pure Black II BaZecoat™. It is most important that your final coat of DNA® 2K clear is laid down correctly so as to ensure maximum flow and high gloss. This finish determines the chrome effect you will achieve. This finish is the reflective surface, and any imperfections will show through. If you have not achieved a high gloss level off your gun it is best to rub back and re-apply the DNA® Diamond Clear™. **WARNING:** Do not touch or handle the clear coat after it has been applied, any dust, marks, scuffs, fingerprints or scratches will show through when the DNA® Virtual Chrome™ is applied. A clear coat with orange peel or a rough and dull surface will produce a dull or frosted finish. Refer Diamond Clear™ TDS for full Technical Data Specifications.



SUBSTRATE 2K CLEAR COAT CURING: For maximum chrome-like effect it is important that the DNA® Diamond Clear™ is high-gloss and “fully out-gassed”. Bake clear for 1 hour @ 60°C and rest 2 days/48 hours. **WARNING:** If you apply the DNA® Virtual Chrome™ before the clear coat is “fully out-gassed” the chrome effect may be dull, milky or frosted in appearance.

Time Hack: Some applicators will bake @ 60°C for 2 hours, rest overnight and then apply Virtual Chrome. This will work but may reduce the chrome effect.



CLEANING 2K CLEAR COAT: If the previously clear coated surface has been handled or contaminated in any way gently clean the surface with DNA® Anti-Static Cleaner and dry thoroughly before applying DNA® Virtual Chrome™. Always apply DNA® Virtual Chrome to a clean surface free of all dust, wax or residue contaminants.

Note: It is most likely that any or all cleaning marks will be visible in the finished product. Touching the surface should be avoided.

VIRTUAL CHROME™: DNA® Virtual Chrome™ adheres to substrates differently to other paints. To create a mirror like finish the surface must be as smooth as possible and not scuffed.

Note: This product requires careful application to ensure you do not apply material too heavily or unevenly resulting in tram tracks, blotchiness or an uneven finish. Applying less DNA® Virtual Chrome™ often achieves a better result.



DNA® CHROME GUN Part # G08 SET UP:

Fluid Tip 0.8mm
Spray Distance 10-15cm
Air Pressure 15-20psi
Material volume 1/4 -1/2 turn
Fan Size 5-8cm @ 10-15cm Spray Distance

HTE GUN SET UP:

Fluid Tip 0.7 – 1.2mm
Spray Distance 10-15cm
Air Pressure 15-20psi
Material volume 1/4 -1/2 turn
Fan Size 5-8cm @ 10-15cm Spray Distance



THEORETICAL COVERAGE: ~6 sq m per litre approximate.



SPRAYING VISCOSITY: Ford 4 Cup: 9.5sec



MIXING: DNA® Virtual Chrome™ is ready-to-use no thinning or mixing is required. Shake contents vigorously for 5 minutes before use.



FILTER: Strain shaken Virtual Chrome™ into spray gun, use 190-micron filter.



BLOW OFF: Blow off any dust that may have settled on the substrate with compressed air. Do not use tack rags before, in between or after application of DNA® Virtual Chrome™. Apply DNA® Virtual Chrome at 20° - 30°C with humidity below 70%.



FIRST COAT: To overcome possible static problems it is recommended the first coat be applied @ 20psi. Apply DNA® Virtual Chrome™ as a very light wet mist or light wet dusting effect, (very small volume of material with a reasonable amount of air) this first pass assists in breaking any static on the surface and will allow your next

coats to lay down more evenly on the surface. Apply this coat with a 75% spray overlap.



FLASH OFF: 1 minute between coats. A very light coat is recommended. Do not try and obtain coverage in a single pass.



REMAING COATS: Occasionally agitate the material in the gun cup. At the recommended gun set up, continue applying 1-2 additional very light coats of DNA® Virtual Chrome™ allowing flash off between coats until the desired effect is achieved using a 75% spray overlap.



CURING TIMES @ 25°C: Wait 2 hours for Virtual Chrome to out-gas. Then using the DNA® Micro Fibre Polishing Cloth Part #MFPC. Fold cloth so stitching on edge of cloth does not contact the chrome. The stitching will scratch the chrome. Gently wipe and polish the surface area to remove all loose and dusty particles of Virtual Chrome™. **WARNING:** using other cloths to wipe, or polish will scuff or scratch the finish. Blow off any dust or lint with compressed air before application of Key Clear™.



KEY CLEAR™ - CLEAR COAT: For maximum adhesion it is important to 'lock' the Virtual Chrome™ in place using DNA® Key Clear™ which is specifically formulated for adhesion and to maximise the chrome like finish. Apply DNA® Key Clear™ at 20°- 30°C with humidity below 70%. Spray 2-3 very light coats of the DNA® Key Clear™ over the DNA® Virtual Chrome™. Allow at least 10~15 minutes between coats. Refer Key Clear™ TDS for full Technical Data Specifications.



FINAL DNA® DIAMOND CLEAR COAT: After DNA® Key Clear™ has thoroughly flashed off; apply DNA® Diamond Clear™ at 20° - 30°C. Apply one to two medium wet coats or until desired coverage has been achieved. Allow full flash off between coats and before baking. Refer Diamond Clear™ TDS for full Technical Data Specifications.



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

SPECIAL EFFECT "BRUSHED METAL" For a brushed metal effect. Using a grey Scotch-Brite™ carefully apply scuff lines on the surface of the



fully cured clear coat in one direction only. When satisfied with the scuffed effect, clean the surface following the direction of the scuffs and apply DNA® Virtual Chrome™ as per TDS. These scuff lines will show through the DNA® Virtual Chrome™ giving you the brushed metal effect.



SPECIAL EFFECT "GROUND METAL": For a Using a grey 2" Scotch-Brite™ pad or similar carefully and lightly apply swirl and/or grinding patterns onto the clear coated surface, when satisfied with ground effect clean surface and apply DNA® Virtual Chrome™ as per TDS. These grinding patterns will show through the DNA® Virtual Chrome™ giving you the ground metal effect.



SPECIAL EFFECT "SHADOW CHROME" Follow DNA® Virtual Chrome™ TDS application techniques but apply 50 to 80% less DNA® Virtual Chrome™. This creates a more transparent chrome effect and allows the black of the basecoat to create more of a shadow chrome effect.

Note: To get the effects that you want it is important to practice a few times before proceeding to your project. To maintain a highly metallic effect it is important that the clear coat is not completely dulled off and that some gloss remains visible.



GOLD, ROSE GOLD & COPPER EFFECT

Mix Candy Concentrate into mixed Key Clear and apply directly onto Virtual Chrome, 1~2 medium coats. Vary candy % to change the metal colour intensity. Do not increase Key Clear coats.

True Gold: Sahara Yellow #CC14 @ 2~5% in mixed Key Clear

Rose Gold: Rose Gold #28 @ 2~5% in mixed Key Clear

Copper: Copper #CC29 @ 2~5% in mixed Key Clear



ANODIZED METALS – Candy ColorZ™

Start with object already painted with Virtual Chrome™ that is "Fully Cured." Sand/scuff clear coat and apply 3~4 coats of chosen pre-mixed Candy ColorZ™ of your choice, then clear coat with DNA™ Diamond Clear, Flat Clear or Satin Clear.

Important: For Professional Use Only.

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 (boxing) to ensure consistency of colour

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®. DNA® reserves the right to make changes to formulations. On occasion batches may have variations such as colour or tone, these are not warrantable. The user must always test the product(s) prior to commencing any job to determine suitability and check for any adverse reaction. Always do a spray out test panel to check final finish and appearance. 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, 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 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.

DNA® Custom Paints

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