



Technical Data Sheet

NuCourt Fill Coat

Description: **NuCourt Fill Coat** is a water based, high solids acrylic “build coat” developed specifically for squeegee or brush application to assist with levelling surface imperfections less than 20mm in depth, on asphalt and concrete substrates prior to top coating with the **NuCourt Range** of top coat systems.

- Features:**
- High build, smooth surface coating for the range of NuCourt top coat finishes
 - Low VOC
 - Specifically designed for hard sports surfaces
 - Suitable for all weather conditions
 - Excellent protection against bacteria and mould

Safety Precautions: Observe all Occupation Health and Safety (OH&S) precautions.
Refer to the relevant Safety Data Sheets (SDS) for product safety related information.
For further information and support: **Nutech Paint 03 9770 3000**
<https://nutechpaint.com.au/>

Provisions: **Suitable for surface inconsistencies LESS THAN 20mm in depth.**
NuCourt products cure very slowly, rain may affect the surface up to 5 days after application.

Product Attributes: PH: 9.0
Per Cent Volatiles: <2%
Solubility: Water
Minimum Film Forming Temperature: 12°C
Minimum Dry Film Thickness (Per Coat): 200 µm

Typical Applications: Typical projects include:
Exterior and interior sport surfaces, concrete or asphalt surfaces

Appearance: Coloured viscous liquid

Coverage / Spread Rates: 3 m²/L is recommended.
Actual coverage rates may vary depending on the type of substrate, texture and porosity.

Packaging: 4L & 15L

Storage: Cool, dry location. Avoid contact with direct sunlight and heat

Shelf Life: 24 months @ 25°C

Recommended Substrates: Concrete and Asphalt surfaces.

Note: DO NOT apply **NuCourt** products in hot weather above 30°C
In cold weather avoid application under 12°C

Mixing/ Thinning: **Mix product thoroughly prior application**

Thinning not required however, max. 10% clean fresh water

Test Patch: Conduct a small test patch in an inconspicuous area to ensure adequate product performance, substrate porosity and provide an indication of the time required to complete project.



Substrate note:	All surfaces must be clean and in sound condition. Remove all oil, dirt, grease, flaking paint and contamination. Fill cracks and holes in the surface as outlined in this TDS. <i>Improperly prepared surfaces may result in coating failure.</i>
Application:	Stiff Bristled Broom 70 Durometer Squeegee Refer Substrate Preparation and Application Guidelines on page 3 of this TDS.
Drying Time:	25°C @ 60% relative humidity
Touch Dry:	4 hours
Recoat:	After 8 hours but within 24 hours Note: After applying the first coat allow to dry fully then inspect the surface and scrape off any excess lumps or irregularities before applying the second coat
Total Dry:	7 Days
Clean Up:	Protecting Our Environment is important to Nutech Paints: Clean up with clean water. Do not pour leftover paint down drains or in rubbish bins. Unwanted paint should be kept in a sealed container and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Dispose of empty paint containers in accordance with local authority's guidelines. Always check with your local council first.
First Aid	SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information for medical emergencies only, call: 000 <ul style="list-style-type: none">• In case of eye contact, flush thoroughly with water for at least 15 minutes• In case of skin contact, wash affected areas with soap and water• Remove and wash contaminated clothing• If inhalation causes physical discomfort, remove to fresh air• If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice



SUBSTRATE PREPARATION

CONCRETE

New concrete: Must be cured for a minimum of 28 days prior to coating.
New concrete must be appropriately etched prior to top coating;
Apply **Nu-EcoSafe Etch** OR **Nu-EcoSafe Ultra Etch** in accordance with the relevant TDS. Rinse and allow to thoroughly dry

Existing Concrete: Any existing coating must be removed prior to surface preparation.

Preparation:

The surface must be clean and free of all grease, oil and other foreign matter.

Where applicable, use **Nu-Ecosafe Degreaser** in accordance with the TDS.

High pressure water blast >2500 psi. Allow to thoroughly dry.

Repair:

Where applicable, all non-structural cracking and any surface damage:
Nutech Paint recommends seeking professional advice regarding any structural or drainage issues prior to commencement of works.

Prior to top coating: a surface for porosity test is recommended;

- Apply approx. 1 cup of water and observe absorption.
 - If water is not immediately absorbed, Re-apply **Nu-EcoSafe Etch** OR **Nu-EcoSafe Ultra Etch** as per TDS recommendations
- Rinse and allow to thoroughly dry

Any areas deeper than 20mm will require patch repairing using an appropriate concrete filler PRIOR TO priming. Refer to the relevant filler manufacturer's guidelines.

Allow the surface to thoroughly dry after high pressure washing. Apply one saturation coat of **Nu-Prime** using a roller or airless spray at a 4m² per litre application rate. Do not apply in very hot conditions or mist spray a light coat. It is important to flood the surface with **Nu-Prime** during application.
Observe recoat and dry times outlined in the relevant TDS.

Patch repair any irregularities less than 20mm with **NuCourt Fill Coat** following the recommendation outlined in the relevant TDS.

Rough Concrete Surfaces:

Apply **Nu-Court FillCoat** in accordance with the relevant TDS . ensure all surface irregularities are filled to prevent ponding.
If the concrete is new and level, filler may not be required

Note: Some shrinkage of the fill coat may occur in thicker films. Ensure that all low areas on the surface are filled to prevent water ponding.

ASPHALT

New asphalt: Must be cured for a minimum of 28 days prior to coating.

Existing Asphalt: Any existing coating must be removed prior to surface preparation.

Refer to **Nu-EcoSafe Strip -Industrial** paint removal system and TDS as a suitable method of removing old existing coatings.

Preparation:

The surface must be clean and free of all grease, oil and other foreign matter.

Where applicable, use **Nu-EcoSafe Degreaser** in accordance with the TDS.

High pressure water blast > 2500 psi. Allow to thoroughly dry.

Repair:

Where applicable, all non-structural cracking and any surface damage:
Nutech Paint recommends seeking professional advice regarding any structural or drainage issues prior to commencement of works.

Allow the surface to thoroughly dry after high pressure washing

Any areas deeper than 20mm will require patch repairing using an appropriate concrete filler. Refer to the relevant filler manufacturer's guidelines.

Patch the surface as required with **NuCourt Fill Coat** according to the TDS using a 70 Durometer Flexible Rubber Squeegee or two broom technique to obtain a smooth even level surface.

Note: Some shrinkage of the filler may occur in thicker films. Ensure that all uneven surfaces are filled to prevent water ponding.

70 Durometer Squeegee

Apply 1 coat **NuCourt Fill Coat**

Method:

- Pour a windrow of **NuCourt Fill Coat** parallel to the court edge.
- Apply even downward pressure and avoid leaving thick film sections on either side of the applicator.
- Walking in the direction of the windrow, spread with the applicator to obtain an even cover then, reverse direction.
- Allow coat to dry.

After the coating is dry, inspect the surface and scrape or grind off any excess lumps or irregularities

Top Coat: NuCourt Pro Coat or NuCourt Roll Coat TDS

Note: Do not overwork areas and always maintain a wet leading edge.

Undulating surfaces: Squeegee method may not be suitable.

2 Broom Method

Apply 1 coat **NuCourt Fill Coat**

Method:

- Spread the **NuCourt Fill Coat** coating with a stiff bristle broom
- To obtain a smooth and even finish, follow up with a soft bristle broom
- Allow coat to dry

After the coating is dry, inspect the surface and scrape or grind off any excess lumps or irregularities

Top Coat New Concrete Surfaces: NuCourt Pro Coat or NuCourt Roll Coat TDS

NOTE: Broom application usually uses 10% more coating material than squeegee application.



Warranty: Nutech Paint warrants its products to be free from defects in material and workmanship. Nutech's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Nutech's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this Warranty must be made by Buyer to Nutech Paint in writing within five days (5) of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Nutech Paint of such non-conformance as required herein shall bar Buyer from recovery under this Warranty. Nutech Paint makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech Paint be liable for consequential or incidental damages.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for 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.

Limitation of Liability: Nutech's liability on any claim of any kind, including claims based upon Nutech's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

Disclaimer: The information provided in this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact Nutech Paint. As this information is of a general nature, we cannot assume any responsibility in individual cases.

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Any recommendation or suggestion relating to the use of the products made by Nutech Paint, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by buyers having requisite skill and know-how in the industry and therefore it is for buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Nutech

Nutech Paint
PTY LTD

☎03 9770 3000

✉sales@nutech.com.au

www.nutechpaint.com.au