



Technical Data Sheet

07.2024

NT FLEET LINE 2K COLOUR



Product Details:

Product Name:

NT Fleet Line 2K Colour

Product Description:

Germa-Tech NT Fleet Series is specially formulated high solid, advanced 2 component (2k) polyurethane coating. With a high gloss high gloss hold out and excellent coverage, the system versatility provides customisable options to suite a variety of construction/applications.

Adopted by OEM manufactures globally.

Substrates:



- Sanded existing painted surfaces
- Epoxy Primed or suitable primed surfaces (1k or 2k primed)
- Direct to metal subject to sanded surfaces (HS hardener only)

Sanded Iron/steel, steel, stainless steel (blasted) cast iron. Abrasive shot blasting is recommended or dry sanding P80 – P180, (adhesion test recommended if applying without primer)

Plastics. Apply Germatech Plastic Primer (adhesion test recommended)

Fibreglass & gel coated fibreglass. Lightly sand and apply Germatech Epoxy Primer

Aluminium & Galvanized. Primed only, because of the wide number of aluminium types we recommend to use Germatech Epoxy Primers. For proper preparation of the aluminium substrate sanding recommendations: P80 – P180 and Germatech Prepsol degrease

Existing painted surfaces P320 – P800 (finish with higher finer grits to remove swirl mark)



Surface Preparation:



After primer remove wax and other contaminants with use of Germatech Prepsol and Prepsol Wipes.

If applying wet on wet over Germatech Epoxy Primer – non sanding window is 24 hours.

If not applying wet on wet dry sanding P320-P800.

Directions For Use:

Mixing Ratio:



SOLID COLOURS (USING MS HARDNER)

	NT FLEET 2K +	Hardener +	Reducer
	2	1	10-30%
< 18 °C	NT 2K FLEET (SOLID)	MS Fast hardener	Premium Reducer
18 - 24 °C	NT 2K FLEET (SOLID)	MS Standard hardener	Premium Reducer
25 - 30 °C	NT 2K FLEET (SOLID)	MS Standard hardener	Premium Reducer
> 30 °C	NT 2K FLEET (SOLID)	MS Slow hardener	Premium Slow Reducer

SOLID COLOURS (USING HS HARDNER) & DIRECT TO METAL APPLICATIONS

	NT FLEET 2K +	Hardener +	Reducer
	3	1	10-30%
< 18 °C	NT 2K FLEET (SOLID)	HS Fast hardener	Premium Reducer
18 - 24 °C	NT 2K FLEET (SOLID)	HS Standard hardener	Premium Reducer
25 - 30 °C	NT 2K FLEET (SOLID)	HS Standard hardener	Premium Reducer
> 30 °C	NT 2K FLEET (SOLID)	HS Slow hardener	Premium Slow Reducer

WARNING

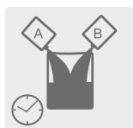
If applying directly to metal, ensure substrate is sanded and Prepsol washed, use only Germatech

Prepsol and Prepsol wipes. Recommend cross hatch adhesion test on sample of substrate prior to application.

METALLIC COLOURS (USING HS HARDNER)

	NT FLEET 2K +	Hardener +	Reducer
	4	1	10-30%
< 18 °C	NT 2K FLEET (METALLIC)	HS Fast hardener	Premium Reducer
18 - 24 °C	NT 2K FLEET (METALLIC)	HS Standard hardener	Premium Reducer
25 - 30 °C	NT 2K FLEET (METALLIC)	HS Standard hardener	Premium Reducer
> 30 °C	NT 2K FLEET (METALLIC)	HS Slow hardener	Premium Slow Reducer

Pot Life:



Pot-Life at 20 °C

The mixture should be used within 2 hours.



Shelf Life:

Shelf Life is up to 36 months if unopened and stored in a cool dry place (below 20°C). Shelf life is an optimal guide and the product is manufactured and tested to exceed shelf-life recommendations, avoid ambient temperatures above 20°C and exposure to direct sunlight which are amongst common factors that will diminish storage shelf life. Contact the distributor or manufacturer if requiring further advice.

If stored correctly, it can be used for up to 12 months from opening the original seal

Spray Gun Set Up:



Gun type	Viscosity(s) (-4 cups)	Flow (mm)	Pressure (bar)
	18-25	1.3-1.5	2.0-3.0
	18-25	1.5-1.7	3.0-4.0
Diaphragm pump	18-25	1.0-1.3	3.0-4.0

Coats And Thickness:



Coats & Thickness 2 Coats, total 40-60um

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Additional Information

Notes:

1. At temperatures lower than 15°C, air-dry at ambient temperature is not recommended. Allow a full bake at 60°C.
2. Mix according to the proportion indicated. The mixture should be used within 2 hours. Only use Germatech hardeners and reducer.
3. At low humidity, flash off time 2-3 minutes is recommended to achieve smooth paint film.
4. At an ambient temperature higher than 30°C, add Retarder Solvent or Slow Reducer maybe required to avoid blushing. For details please refer to the Retarder Solvent TDS.
5. In the overspray area of new and existing finish, apply directly Thinner SRA to achieve an invisible transition.
6. In the event of fisheyes during application, add 0.5-1% Anti Silicon in the remaining paint and respray the affected area.

WARNING

7. Maximum coating thickness after application, cannot exceed 300um (micron), application of product in excess of 300um can result in adverse outcomes and may require sanding back of product, refer Germatech Coating Thickness Guide.
8. Germatech Polyurethane product takes up to 12 weeks to fully cure, if reworking or sanding imperfections, utmost care must be taken not to break through layers, reapplication of product directly on sublayers can results in product reactions. Sand imperfections with P1500 working to P3000 then polish. Always bake out after sanding and prior to reapplication.
9. Germatech Polyurethane products are specifically designed to work with the Germatech product suite ie fillers, primers, basecoat, hardeners and reducer

Packaging: 3.75L 20L

The information contained in this file is presented in good faith based on thorough laboratory and field testing but without warranty. As we have no control over the conditions under which these products are used, it is recommended that all products be tested by the end user to ensure the suitability of the product for the particular application and conditions.